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- REPORT ON -

ROSEVAL SILICA INC. - TIONAGA QUARTZ

RESERVES

Prepared by:

BEDROCK CONSULTING
March 12 1989

for:

ROSEVAL SILICA INC.



42B01SE0007 2.13006 PENHORWOOD

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SUMMARY

The following table below summarizes the drill indicated and stockpiled reserves as of October 29 1988, to my knowledge at this time, no additional material has been removed or discovered.

It should be born in mind that the amount of reserves given are not complete. Detailed exploration has been confined to limited areas. Further exploration in areas of recorded float, and the many other known quartz outcrops in the area, will probably reveal substantially greater reserves.

**TOTAL DRILL INDICATED IN SITU AND
STOCKPILED RESERVES**

ITEM	IN SITU TONNES	STOCKPILED TONNES	TOTAL TONNES
+95% SiO ₂	84,105 to 149,888	8,218 *	92,323 to * 158,106
+90-95% SiO ₂	63,960 to 92,153	3,793	67,753 to 95,946
85-95% SiO ₂	not determined	11,340	11,340
80-90% SiO ₂	not determined	5,000	5,000
TOTALS	148,065 to 242,041	28,351	176,416 to * 270,392

* See C.N.R. TIONAGA SIDING STOCKPILED RESERVE Pg. 8
Amounts shown should be reduced by 1,000 tonnes.

ROSEVAL SILICA INC. - TIONAGA QUARTZ RESERVES

INTRODUCTION

A report on the Tionaga quartz reserves in situ and stockpiled was undertaken by Bedrock Consulting on behalf of Roseval Silica Inc. The information in this report was based on field observations of outcrops and analysis of chip samples from a limited percussion drill program. Stockpiled reserves were either measured or calculated based on loads transported.

GENERAL GEOLOGY

Four quartz occurrences have been investigated in this report, designated site #1, site #2, site #2(a), and site #3. All these sites have had some surficial geological mapping and varying degrees of drilling. Limited outcrop exposure, especially at site 2(a) and site 3, prevented more detailed evaluation of these areas.

Five major rock types have been found in the area: an early granite, a late granite, mafic volcanics, ultramafic intrusives and diabase dykes. Generally the quartz occurrences appear to be associated with the late granite - mafic volcanic contact. Tentative observations suggest saddle reef type quartz injection along anticlinal arches of fold structures in mafic volcanics. En echelon tensional quartz filled gashes, bed tilting and block faulting also complicate the above generalization.

For more details on the geology of this area the reader is referred to the geological report prepared last summer by Jean Berard for Gaetan Lavallee (president of Roseval Silica Inc.) and a geological report prepared for a 1987 Nor Dev assistance contract prepared by Bedrock Consulting.

ROSEVAL SILICA INC.- TIONAGA QUARTZ DRILL INDICATED TONNES IN SITU

SITE #1

Information on tonnage calculations for site #1 has been previously tabulated in the Nor-Dev assistance contract report dated November 1987. This data is based primarily on the 43 hole percussion drill program carried out at that time. Data on drill locations can be found in map #3.

SITE #1 TONNES	23,230 +95% SiO₂
	40,000 +90% to 95% SiO₂
	63,230 TOTAL

This tonnage figure represents material in situ. Contacts in this area are generally abrupt so no significant increase of reserves for +90% SiO₂ quality is expected. An ability to tolerate a higher level of contaminants from wall rocks in the more narrower zones and along the contacts will increase recovery of the quartz in situ.

SITE #2

Calculations of remaining reserves within the mined quarry were carried out based on the results of a 55 hole percussion drill program (approximately 1650 feet) and field observations. The drill holes were located via the use of a hip chain on the quarry floor and along the sides of the quarry. The location of these holes are shown on map #1.

Sections at right angles across the strike of the vein were taken at regular intervals (about 15' - 20') and the area of both high quality quartz (+95% SiO₂) and flux grade quartz (+90% to 95% SiO₂) was calculated. The area of each section was then multiplied by the distance midway between adjacent sections to obtain the volume which was then multiplied by the density to give the number of metric tonnes for each section. This procedure was repeated for all sections which were added together to give the total volume. Additional volume was also take into account of the area behind the quarry - again based on stripped outcrop observations and drill results. The total volume was then multiplied by the density to give the tonnage. The calculations for this data is found in appendix #1.

SITE #2 TONNES

36,785 +95% SiO₂
 12,076 +90% to 95% SiO₂
 48,861 TOTAL

SITE #2(a)

Following up on field observations of quartz outcrops behind site #2 a drilling program was initiated which revealed a significant quartz body extending to the west edge of the most westerly stripped area. Further stripping to the west was carried out and holes were drilled along the western edge of this stripped area. These holes showed a trend of increasing thickness of high quality quartz to the west.

Due to the brevity of the program and the removal of the mechanical equipment from the site, no further stripping or drilling was carried out despite this promising westerly trend. Determination of reserves is further aggravated by the lack of outcrop in this direction. A possible positive factor is that the terrain is generally level here and may suggest a homogeneous bedrock composition (ie. more quartz).

In light of the limited information - only 8 holes drilled - the quartz in situ from this site has been calculated based only on the area drilled. Actual reserves will be greater than this but the lack of data prevents speculation. Further stripping and drilling is warranted in this area.

SITE #2(a) TONNES

1,455 +95% SiO₂
 2,183 +90% to 95% SiO₂
 3,638 TOTAL

SITE #3

As a result of field mapping by Jean Berard this summer a number of new quartz bodies were found. Quartz outcrops over a large high ridge to the north of Site #2 resulted in a stripping and drilling program. Some waste was also blasted. After stripping along the crest of this ridge 10 drill holes were plotted via the use of the hip chain at 25 yard intervals as shown in map #2. These were drilled and high quality quartz was found to a depth of 70' - the maximum depth of the drill rods available. Some holes were terminated earlier due to water in the hole while still in quartz. Hence this body is open at depth.

As in site #2(a) the extent of this quartz is undetermined. Further stripping and drilling are required but was not done for the same reasons as site #2(a). As a result a degree of uncertainty exists within this body.

The tonnage of this quartz has been calculated based on an average depth of 60' (further depth extension is highly likely). A very pessimistic 24' width and a more optimistic 75' width have been used to calculate the possible tonnage in this body.

A strike direction along the ridge of about 230° has been postulated. This direction is similar to the strike of site #2 at 254° and site #1 at 210° and may represent a parallel fold and saddle reef complex. The distance along strike has been assumed to be about 300 feet. Further strike extension of up to 375 feet is possible. Tonnage calculations using this larger strike length have been used to define the upper limit of the quartz in situ for this body.

Calculations for the tonnage of site #3 are found in the end of appendix #1.

SITE #3 TONNES 22,635 - 88,418 +95% SiO₂
 9,701 - 37,894 +90% to 95% SiO₂
 32,336 - 126,312 TOTAL

**ROSEVAL SILICA INC. - PENHORWOOD TOWNSHIP
 TONNES OF DRILL INDICATED QUARTZ IN SITU**

ITEM	SITE #2	SITE #2a	SITE #3	SITE #1	TOTAL
+95% SiO ₂	36,785	1,455	22,635 to 88,418	23,230	84,105 to 149,888
+90%-95% SiO ₂	12,076	2,183	9,701 to 37,894	40,000	63,960 to 92,153
TOTALS	48,861	3,638	32,336 to 126,312	63,230	148,065 to 242,041

**ROSEVAL SILICA INC. - PENHORWOOD QUARTZ
STOCKPILED RESERVES - OCT. 29, 1988**

An estimated inventory of existing stockpiles located at the CNR Tionaga Industrial siding and the quarry site #2 has been tabulated and is listed below. A legend is found at the end of the stockpiled reserves.

C.N.R. TIONAGA SIDING STOCKPILES

STOCKPILE	OCT. 29 1988 - TONNES
5"x1" (est. +99.7% SiO ₂)	X 1750 <i>SHOULD HAVE READ 750 to 1,000 TONNES</i>
5"x1" (est. 85-95% SiO ₂)	1730*
5"x1" RIP RAP (est. 85-95% SiO ₂)	1500
-2" (est. +95% SiO ₂)	0
2"x1" (est. +95% SiO ₂)	1168
1"x 3/8" Rear pile (est. 92-98% SiO ₂)	3793
1"x 3/8" Crusher pile (est. 92-98% SiO ₂)	0
1"x 3/8" Crusher pile (est. 85-95% SiO ₂)	962*
-3/8" (est. 95-98% SiO ₂)	5295
-3/8" (est. 85-95% SiO ₂)	1154*

QUARRY SITE #2 STOCKPILES

LOCATION	OCT. 29 TONNES
Secondary Pit Run (est. 85-95% SiO ₂)	5154
Low Pit Run (est. 80-90% SiO ₂)	5000*
Road Bed (est. 85-92% SiO ₂)	840

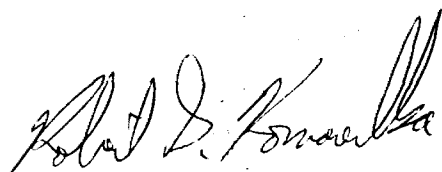

LEGEND

- 1730* Indicates tonnes are estimated from bucket loads which are known to be inaccurate at times.
- 5000* Indicates tonnes are probably greater than amount shown.

CERTIFICATE

I, Robert G. Komarechka, of the City of Sudbury, in the Province of Ontario hereby certify as follows:

1. That I am a consulting geologist currently residing in Sudbury.
2. That I am a graduate, BSc. Geology major, of Laurentian University of Sudbury, Ontario, a registered professional geologist in the Province of Alberta affiliated with the Canadian Council of Professional Engineers, and that I have been practising my profession for seven years.
3. That I have no interest direct or indirect, and do not expect to receive any interest in the properties, or in the security of anyone or company involved with this property.
4. That this report is based on a personal examination of the property at various times from April 1987 to October 1988, involving a series of drill programs, geological mapping, stripping and analysis of drill chip samples.

Robert G. Komarechka

2.10828

Dated at Sudbury, Ontario, this 12th day of March, 1989.

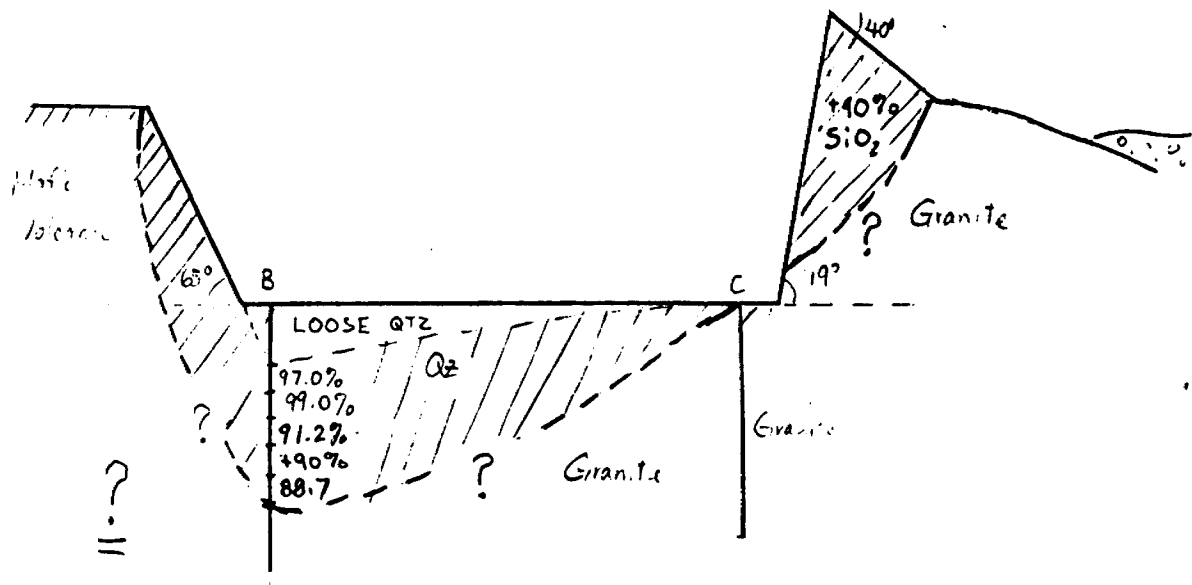
APPENDICES

APPENDIX 1

**TONNAGE CALCULATIONS
WITH SITE #2 AND SITE #2(a) SECTIONS**

CROSS SECTION B-C SITE 2

SCALE 1 in = 30'



Main Body

$$\frac{1}{2} (19 \text{ yd} \times 8.5 \text{ yd} \times 4 \text{ yd}) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 653 \text{ metric tons}$$

$$60\% (+90\% \text{ SiO}_2) = 392 \text{ metric tonne}$$

$$40\% (+95\% \text{ SiO}_2) = 261 \text{ metric tonne}$$

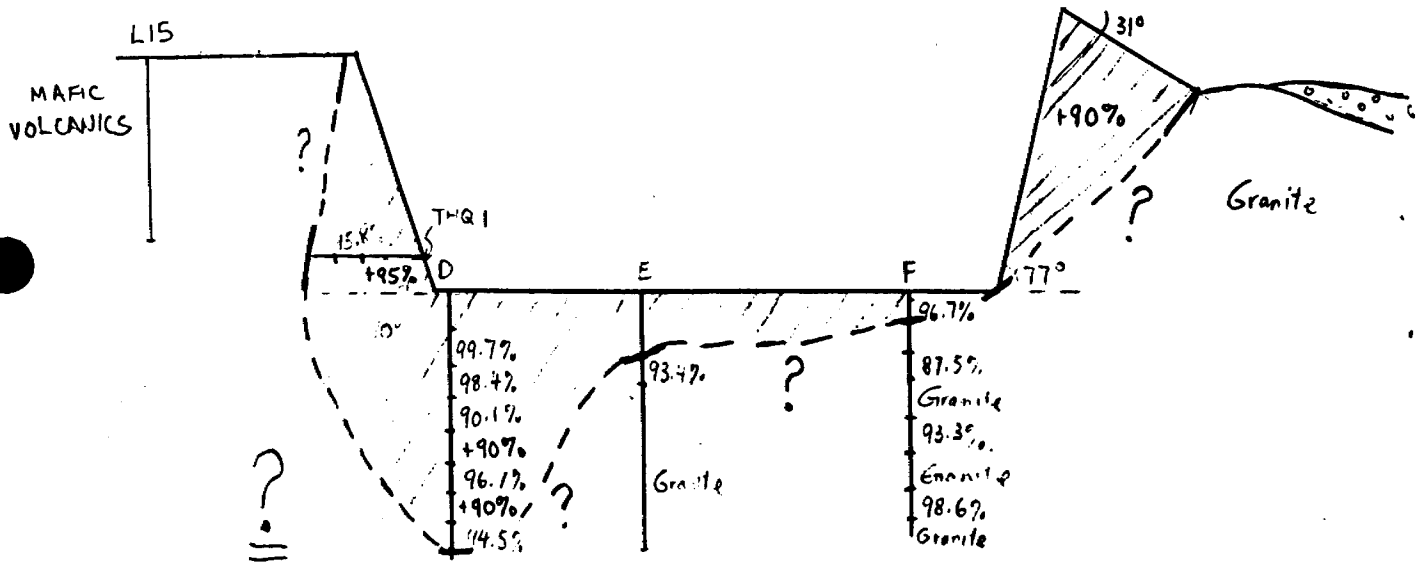
Right Side

$$\frac{1}{2} (13 \times 6 \times 4) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 315 \text{ metric tons } (+90\% \text{ SiO}_2)$$

CROSS SECTION D-E-F SITE 2

SCALE 1 in = 30'

(2, 3, 4) 30'



Main Body

$$(10 \times 11 \times 6) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 1330 \text{ metric tons}$$

$$60\% + 90\% \text{ SiO}_2 = 800 \text{ metric tons}$$

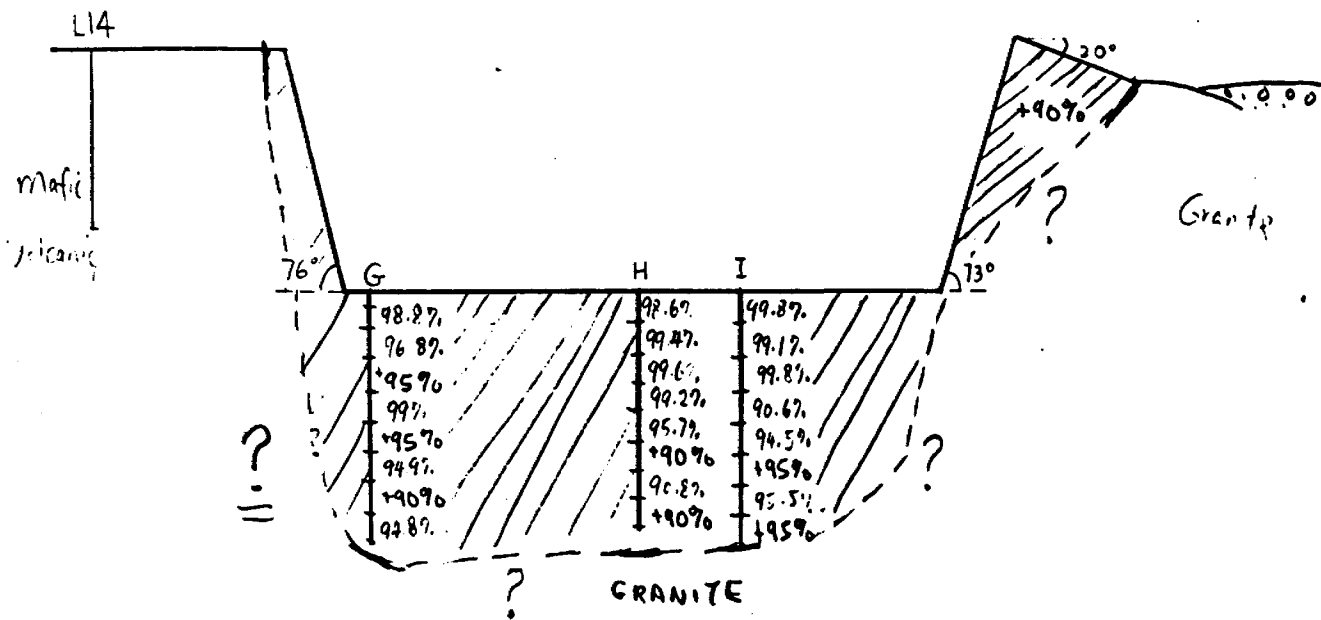
$$40\% + 95\% \text{ SiO}_2 = 530 \text{ metric tons}$$

Right Side

$$\frac{1}{2} (13 \times 8.5 \times 6) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 670 \text{ metric tons } (+90\% \text{ SiO}_2)$$

CROSS SECTION G-H-I SITE 2

SCALE 1m = 30'

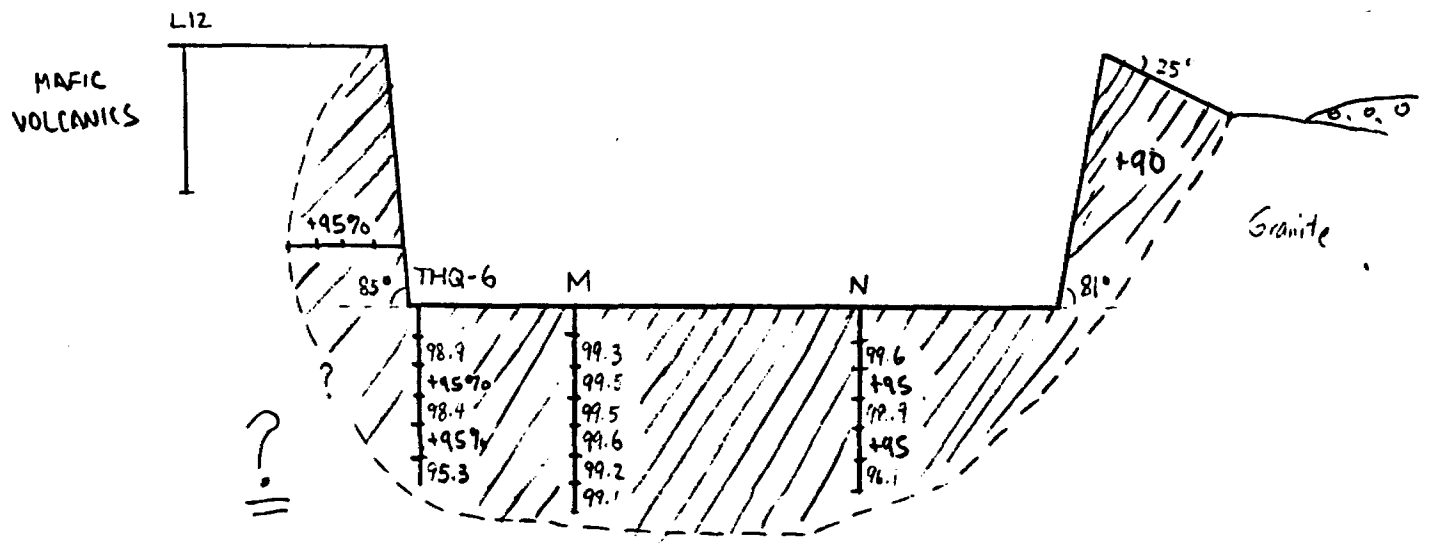


Main Body $(30 \times 10 \times 7) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 4244.1 \text{ metric ton } (+95.9\% \text{ SiO}_2)$

Right Side $\frac{1}{2} (13 \times 6 \times 7) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 552 \text{ metric ton } (+90.9\% \text{ SiO}_2)$

CROSS SECTION M-N - SITE 2

SCALE 1 in = 30'

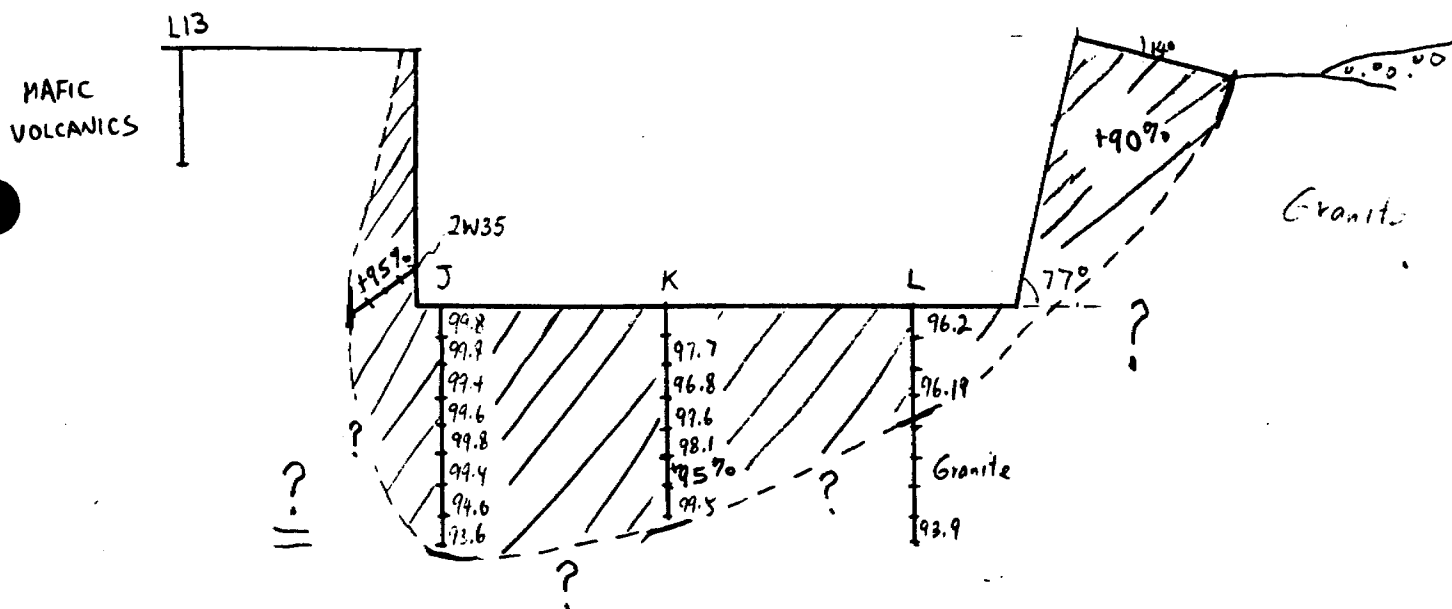


Main body $\left[(33 \times 11 \times 8) + \frac{1}{2} (6 \times 13) \times 8 \right] \times \left(\frac{36}{39.4} \right)^3 \times 2.65 = 6500 \text{ metric ton (+9570)}$

Right side = $\left[\frac{1}{2} (13 \times 7 \times 8) \right] \times \left(\frac{36}{39.4} \right)^3 \times 2.65 = 735 \text{ metric ton (+9070)}$

CROSS SECTION J-K-L SITE 2

SCALE 1in = 30'



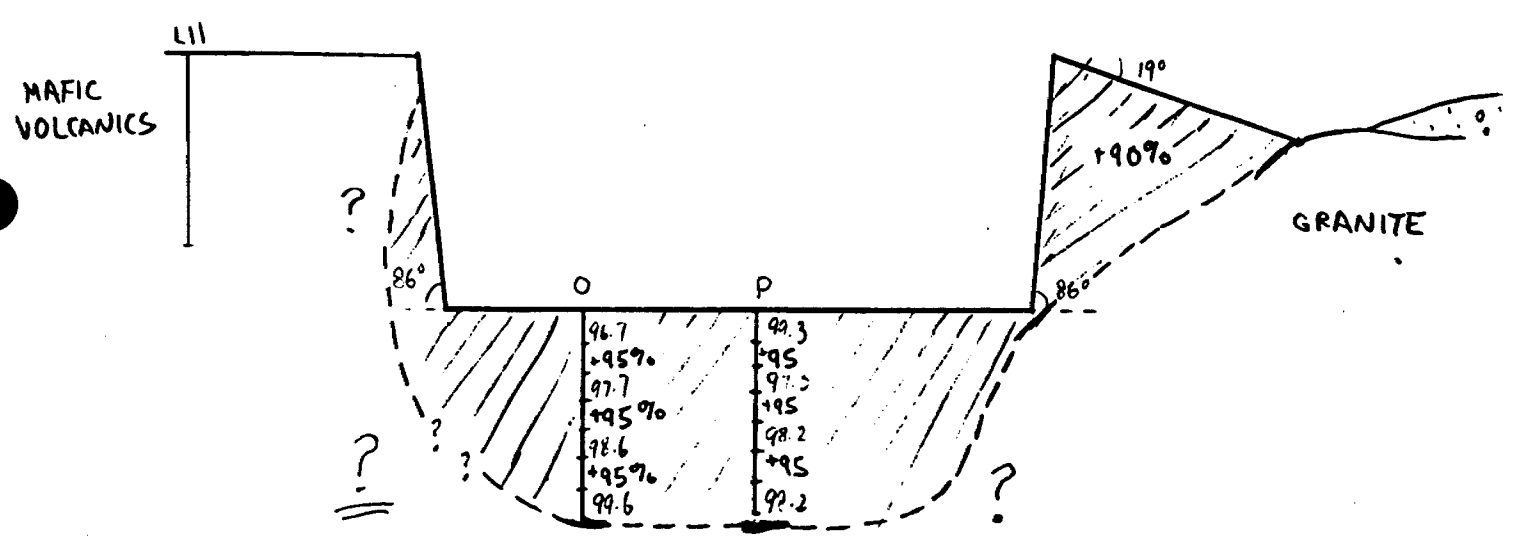
Main Body $\frac{1}{2}(31 \times 13 \times 8) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 3260 \text{ metric ton (+95\%)}$

Right Side $\frac{1}{2}(13 \times 8 \times 8) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 840 \text{ metric ton (+90\%)}$

CROSS SECTION

O - P - SITE 2

SCALE 1 in = 30'

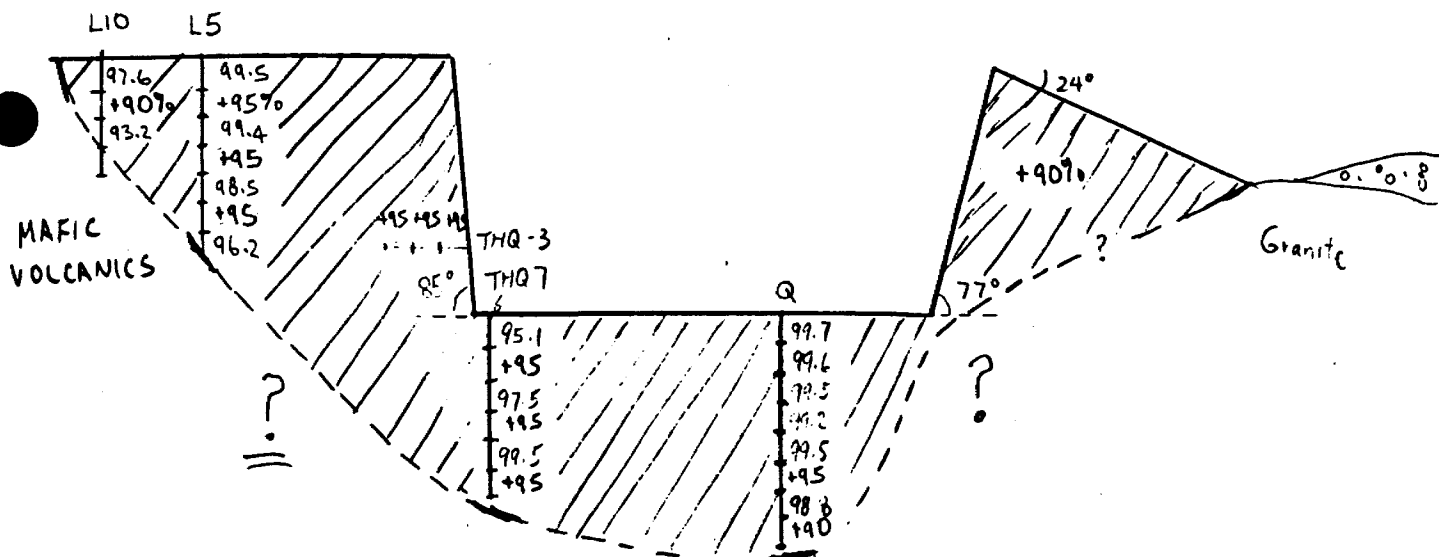


Main Body $(30 \times 12 \times 6) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 4365$ metric ton (+95% SiO₂)

Right side $\frac{1}{2}(13 \times 8 \times 6) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 1025$ metric ton (+90% SiO₂)

CROSS SECTION THQ7 - Q-SIZE 2

SCALE 1 in = 30'



Left Side $\left[(20 \times 20 \times 8) \frac{1}{2} \times \left(\frac{36}{39.4} \right)^3 \right] \times 2.65 = 3,233$

Main Body $\left[(23 \times 12 \times 8) + \frac{1}{2} (20 \times 20) \times 8 \right] \times \left(\frac{36}{39.4} \right)^3 \times 2.65 = 7696 \text{ metric ton}$

$10\% + 90\% \text{SiO}_2 = 770 \text{ metric ton}$

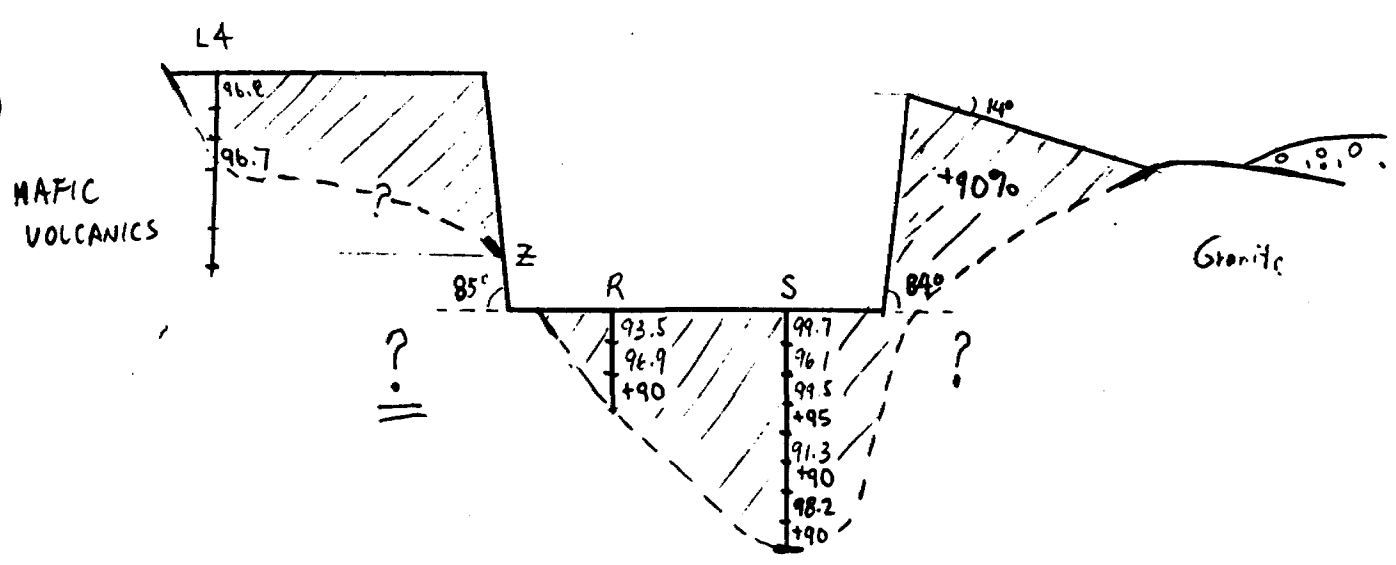
$90\% + 95.7\% \text{SiO}_2 = 6926 \text{ metric ton}$

Right side $\left[\frac{1}{2} (3 \times 14) \times 8 \right] \times \left(\frac{36}{39.4} \right)^3 \times 2.65 = 1470 \text{ metric ton } (+90\% \text{SiO}_2)$

CROSS SECTION R - S - SIZE 2

SCALE 1 in = 30'

* L4 may represent interbedded
 QZ veins and mafic volcanic
 The left side of Quarry is
 not calculated as in situ QZ



Main Body $[\frac{1}{2}(13 \times 20) \times 10] \times (\frac{36}{39.4})^3 \times 2.65 = 2627 \text{ metric ton}$

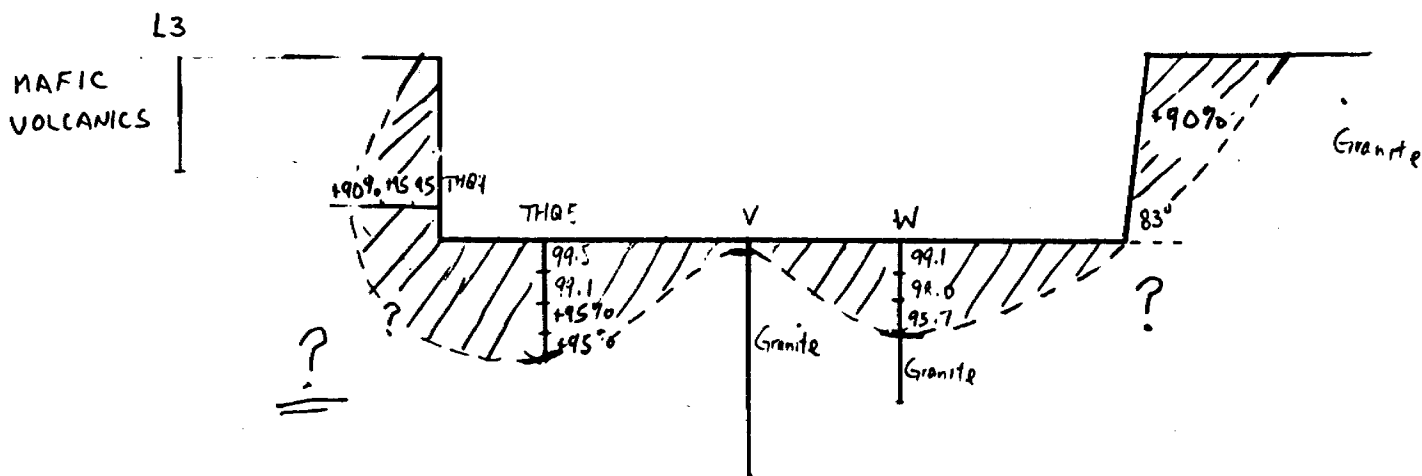
20% +90% SiO₂ = 525 metric ton

80% +95% SiO₂ = 2102 metric ton

Right side $[\frac{1}{2}(13 \times 14) \times 10] \times (\frac{36}{39.4})^3 \times 2.65 = 1839 \text{ metric ton (+90% SiO}_2)$

CROSS SECTION - V-W SITE 2

SCALE 1 in = 30'



Main Body $(35 \times 6 \times 8) \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 3395 \text{ metric ton } (+95\% \text{ SiO}_2)$

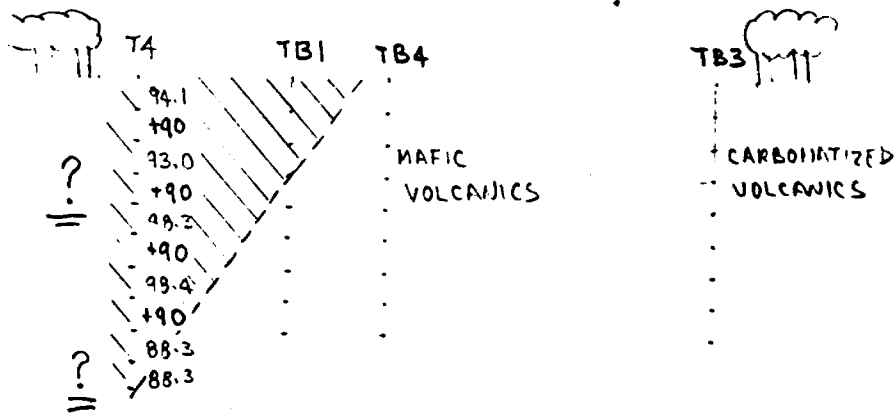
Right side $\frac{1}{2}(9 \times 7) \times 8 \times \left(\frac{36}{39.4}\right)^3 \times 2.65 = 509 \text{ metric ton } (+90\% \text{ SiO}_2)$

SUM OF SECTIONS FOR SITE 2

SECTION	+95% SiO ₂ TONNES	+90% SiO ₂ TONNES	TOTAL	(-Xii)
B-C	261	707	968	
D-E	530	1370	1900	
G-H-I	4244	552	4796	
J-K-L	3260	840	4100	
M-N	6500	735	7235	
O-P	4365	1025	5390	
R-S	2102	2364	4466	
T-U-V	6926	2240	9166	
W-X	3395	509	3904	
Y-Z	5202	1734	6936	
UNQUARRIES QUARTZ AT END OF QUARRY				
TOTALS	36,785	12,076	48,861	

CROSS SECTION T4 - TB3 - SITE 2a

SCALE 1" = 30'

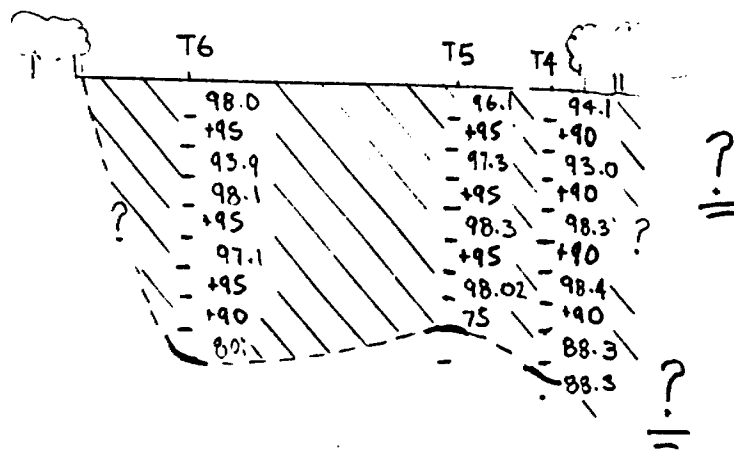


$$\begin{aligned} \text{X-SECTIONAL AREA} &= (15 \times 12) \frac{1}{2} \\ &= 90 \text{ yd}^2 \end{aligned}$$

CROSS SECTION T6 - T4 - SITE 2a

SCALE 1"=30'

MAFIC
VOLCANICS



$$\text{VOLUME} = (\text{T4 X-SECTIONAL AREA}) \times 20$$

$$= 1800 \text{ yd}^3$$

$$\text{TONNES} = 1800 \times \left(\frac{36}{39.4}\right)^3 \times 2.65$$

$$= 1800 \times 2.021$$

$$= 3,638 \text{ TONNES DRILL PROVEN RESERVES}$$

+ 7,000 TONNES IN SITU HIGHLY PROBABLE

+ 90%

+ 95%

EST 60% SiO₂ QUALITY, 40% SiO₂ QUALITY

CROSS SECTION A8 - A2 - SITE 3

GIVEN: STRIKE LENGTH 100 yd
 DEPTH 20 yd*
PESSIMISTIC WIDTH 8 yds

$$\text{TONNAGE} = 100 \times 20 \times 8 \times \left(\frac{36}{32.4}\right)^3 \times 2.65 = 32,336 \text{ TONNES}$$

ASSUMING WIDTH OF 25 yds

$$\text{TONNAGE} = 32,336 \times \frac{25}{8} = 101,050 \text{ TONNES}$$

IF STRIKE LENGTH IS CONTINUOUS TO HOLE EYP2
 THEN WE CAN HAVE A STRIKE LENGTH OF 125 yds

THE ABOVE VALUES WOULD THEN RANGE FROM

$$\left(32,336 \times \frac{125}{100}\right) = 40,420 \text{ TONNES}$$

$$\text{TO } \left(101,050 \times \frac{125}{100}\right) = 126,312 \text{ TONNES}$$

ESTIMATE 30%^(MAX) OF ALL QUARTZ IS +90% S₁₀ GRADE.

* IT SHOULD ALSO BE BORN IN MIND THAT THIS
 QUARTZ BODY IS OPEN AT DEPTH, SIGNIFICANT
 TONNAGE OF QUARTZ MAY EXIST BEYOND THE
 MAXIMUM 70' DRILLED.

APPENDIX 2

**ASSAY RESULTS OF
PERCUSSION DRILL CHIP SAMPLES**

RAPPORT DU LABORATOIRE
 POUR QUARTZ Reseval

SITE 2

Date Novembre '88
 de Labo
 à P.M., J.P., M.L.

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂	SiO ₂
081	88-11-02	GC	16-24	Mine	R 0-5	2.433	2.516	1.443	.109	93.50
082	"	"	"	"	R 5-10	1.276	1.348	.440	.057	96.88
143	88-11-03	GC	16-24	Mine	B 10-15	.654	1.897	.387	.036	97.03
144	"	"	"	"	B 20-25	1.457	7.328	.907	.061	91.25
145	"	"	"	"	B 30-35	.741	9.436	1.070	.089	88.67
146	"	"	"	"	E 10-15	.418	5.627	.548	.045	93.36
147	"	"	"	"	F 2-5	.284	2.808	.153	.024	96.73
148	"	"	"	"	F 10-15	1.011	10.568	.881	.083	87.46
149	"	"	"	"	F 20-25	1.450	5.515	.708	.047	93.28
150	"	"	"	"	F 30-35	.131	1.102	.185	.010	98.57

REMARQUES:

8

RAPPORT DU LABORATOIRE
 POUR QUARTZ Reseval

Super
 SITE 2

Date Novembre '88
 de Labo.
 à PM, M.L., JP...

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂	SiO ₂			
075	88-11-02	GC	16-24	Mixe	L10 0-5	.316	.885	1.097	.018	97.68			
076	"	"	"	"	L10 10-15	1.862	3.709	1.156	.114	93.16			
077	"	"	"	"	L5 0-5	.095	.232	.182	.007	99.48			
078	"	"	"	"	L5 10-15	.171	.285	.193	.005	99.35			
079	"	"	"	"	L5 20-25	.125	.762	.600	.017	98.49			
080	"	"	"	"	L5 30-35	1.281	2.160	.268	.052	96.24			
083	"	"	"	"	L8 10-15	1.263	2.198	1.757	.068				
102	88-11-03	YM	0-8	"	L12 25-30	1.763	2.025	1.179	.061				
103	"	"	"	"	L5 5-10	.284	.547	.336	.007				
115	"	"	"	"	L4 0-5	.811	1.900	.374	.032	96.88			
116	"	"	"	"	L4 10-15	.955	1.955	.390	.033	96.67			
129	"	FL	8-4	"	L 1-5	.265	3.34	.136	.024	96.24			
130	"	"	"	"	L 10-15	.148	3.51	.117	.032	96.19			
131	"	"	"	"	L 35-40	.388	5.36	.273	.041	93.94			

REMARQUES:

RAPPORT DU LABORATOIRE
 POUR QUARTZ Roseval

showar
 SITE 2

Date Novembre '88
 de Labo.
 à P.M., J.P., M.L., J.

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2					
106	88-11-03	YM	0-8	MINE	G 5-10	1.031	1.991	.141	.026	96.81				
107	"	"	"	"	G 15-20	.120	.788	.088	.006	99.00				
108	"	"	"	"	G 25-30	.385	4.130	.543	.035	94.91				
109	"	"	"	"	G 35-40	.391	4.381	.387	.037	94.80				
110	"	"	"	"	G 3-5	.148	.934	.085	.025	98.81				
111	88-11-03	YM	0-8	MINE	H 0-5	.105	1.246	.066	.008	98.57				
112	"	"	"	"	H 10-15	.072	.246	.031	.005	99.65				
113	"	"	"	"	H 20-25	.209	3.690	.408	.019	95.67				
114	"	"	"	"	H 30-35	.282	7.854	.949	.067	90.85				
135	"	FL	8-16	"	H 5-10	.053	.422	.067	.004	99.45				
136	"	"	"	"	H 15-20	.055	.610	.048	.005	99.21				

REMARQUES:



RAPPORT DU LABORATOIRE
 POUR QUARTZ Paseval

Plan 34000
 SITE Z

Date Novembre '88
 de Labo.
 à P.M., M.L., J.P., ...

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2	SiO2
92	88-11-03	YM	0-8	MINE	i 0-5	.038	.150	.044	.004	99.8%
93	"	"	"	"	i 10-15	.033	.150	.037	.004	99.8%
94	"	"	"	"	i 20-25	.347	4.710	.398	.043	94.5%
95	"	"	"	"	i 30-35	.881	3.199	.363	.035	95.5%
100	"	"	"	"	i 5-10	.069	.701	.095	.005	99.1%
101	"	"	"	"	i 15-20	.573	7.959	.815	.061	90.6%
125	88-11-03	FL	8-16	Mine	J 0 à 5	.060	.070	.027	.003	99.84
126	"	"	"	"	J 10 à 15	.073	.486	.048	.003	99.39
127	"	"	"	"	J 20 à 25	.038	.179	.024	.003	99.76
128	"	"	"	"	J 30 à 35	.448	4.94	.531	.053	94.03
162	"	GC	16-24	"	J 5-10	.026	.046	.089	.003	99.84
163	"	"	"	"	J 15-20	.063	.173	.136	.009	99.62
164	"	"	"	"	J 25-30	.089	.432	.085	.007	99.39
169	88-11-04	YM	0-8	"	J 35-40	.461	5.120	.623	.065	93.59

REMARQUES:

RAPPORT DU LABORATOIRE
POUR QUARTZ *Rosera*

34601
SITE 2

Date Novembre '88
de Labo.
à P.M., M.L., J.P.

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2	SiO2			
117	88-11-03	Ym	0-8	MINE	Q 0-5	.075	.129	.042	.004	99.75			
118	"	"	"	"	Q 10-15	.150	.331	.036	.014	99.47			
119	"	"	"	"	Q 20-25	.086	.358	.080	.008	99.47			
120	"	"	"	"	Q 30-35	.119	.902	.161	.008	98.81			
139	"	FL	8-4	"	Q 5-10	.106	2.82	.036	.009	99.57			
140	"	"	"	"	Q 15-20	.334	.407	.028	.008	97.22			
121	88-11-03	Ym	0-8	MINE	K 5-10	.142	2.078	.113	.010	97.66			
122	"	"	"	"	K 15-20	.047	.304	.034	.004	99.61			
123	"	"	"	"	K 25-30	.203	1.41	.193	.016	98.18			
124	"	"	"	"	K 35-40	.090	.407	.082	.003	99.46			
137	"	FL	8-16	"	K 10-15	.174	2.741	.251	.014	96.82			
138	"	"	"	"	K 20-25	.209	1.485	.189	.019	98.10			

REMARQUES:

JP

L-VI [Redacted]

Ji

RAPPORT DU LABORATOIRE
 POUR QUARTZ Roseval

520.01
 SITE 2

Date Novembre '88
 de Luha
 à ..M.L., P.M., J.P.

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2	SiO2
063	22-11-82	GC	16-24	Mine	P 0-5	.250	.379	.071	.013	99.29
064	"	"	"	"	P 10-15	.970	1.524	.146	.067	97.29
065	"	"	"	"	P 20-25	.294	1.248	.231	.021	98.21
066	"	"	"	"	P 30-35	.335	1.229	.222	.022	98.19
071				"OH"	Ø 0-5	.341	2.673	.263	.033	96.69
068	"	"	"	"	Ø 10-15	.385	1.696	.214	.021	97.68
069	"	"	"	"	Ø 30-35	.077	.250	.055	.005	99.61
070	"	"	"	"	Ø 20-25	.391	.960	.071	.024	98.55

REMARQUES:

RAPPORT DU LABORATOIRE
 POUR QUARTZ *Roseval*

SUPV 1
 SITE 2

Date NUMEROUS
 de La 60
 à ... P.M., M.L., J.P.

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂	SiO ₂
086	88-11-02	GC	K-24	Mixe	S 0-5	.068	.162	.044	.005	99.72
087	"	"	"	"	S 10-15	.128	.275	.062	.007	99.53
088	"	"	"	"	S 20-25	.515	7.128	.975	.090	91.31
089	"	"	"	"	S 30-35	.248	1.394	.188	.018	98.15
104	88-11-03	YM	0-8	"	S 5-10	1.357	2.259	.234	.090	96.07
152	88-11-03	GC	K-24	Mixe	D 5-10	.058	.193	.054	.003	99.69
153	"	"	"	"	D 15-20	.749	8.486	.580	.087	90.10
154	"	"	"	"	D 25-30	.174	2.678	.387	.026	96.74
155	"	"	"	"	D 35-40	.341	4.703	.392	.037	94.53
165	88-11-04	YM	0-8	"	D 10-15	.330	1.167	.079	.024	98.40
166	"	"	"	"	M 10-15	.115	.346	.055	.007	99.48
156	"	"	"	"	M 5-10	.161	.461	.108	.006	99.26
157	"	"	"	"	M 15-20	.107	.298	.049	.006	99.54
158	"	"	"	"	M 25-30	.127	.578	.090	.008	99.21
167	88-11-04	YM	0-8	"	M 20-25	.101	.287	.037	.006	99.57
168	"	"	"	"	M 30-35	.103	.669	.092	.008	99.13
159	"	"	"	"	N 5-10	.165	.621	.045	.010	99.16
160	"	"	"	"	N 15-20	.138	.843	.059	.009	98.95
161	"	"	"	"	N 25-30	.247	3.405	.215	.021	96.11

REMARQUES:

RAPPORT DU LABORATOIRE
 POUR QUARTZ Roseval

SITE 2

Date Novembre '88
 de Labo.
 à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2	S(%)
371	11-16	GC	16-24	Mine.	L9 5-10	1.521	1.794	.491	.054	96.14
372	"	"	"	"	" 10-15	1.013	1.354	.326	.046	97.24
373	"	"	"	"	" 20-25	.940	1.465	.373	.038	97.18
374	"	"	"	"	" 25-30	.746	.911	.754	.023	97.57
375	"	"	"	"	T2 20-30	1.46	1.02	.543	.035	96.89
376	"	"	"	"	T2 30-40	2.72	1.12	1.83	.043	94.29
377	"	"	"	"	T3 20-30	3.04	1.48	1.52	.056	93.90
378	"	"	"	"	" 40-50	3.22	1.61	1.72	.062	93.39

REMARQUES:

RAPPORT DU LABORATOIRE
 POUR QUARTZ Roseval

groupe
 SITE 2

Date Novembre '88
 de Labo.
 à M.L., P.M., J.P....

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2	SiO2
067	88-11-02	GC	16-24	Mixe	THQ3 10-15	.361	.659	.328	.015	98.64
148	88-11-03	"	16-24	Mixe	THQ2 5-10	.036	.092	.450	.004	
148	"	"	"	"	THQ2 15-20	.081	.161	.078	.006	
084	"	"	"	"	THQ5 0-5	.120	.302	.082	.008	99.49
085	"	"	"	"	THQ5 10-15	.200	.351	.369	.012	99.07
151	"	"	"	"	THQ1 10-15	.536	3.325	.346	.029	95.76
072	"	"	"	"	THQ7 20-25	.142	.240	.095	.010	99.51
073	"	"	"	"	THQ7 0-5	1.587	2.235	.962	.229	95.09
074	"	"	"	"	THQ7 10-15	.668	1.141	.578	.119	97.49
090	"	"	"	"	THQ4 10-15	.028	.039	.092	.003	99.84
091	"	"	"	"	THQ4 0-5	.024	.031	.024	.003	99.91
105	88-11-03	YM	0-8	"	THQ4 5-10	.653	.130	.168	.004	99.65
132	"	FL	8-4	"	THQ6 7 A 10	.157	.667	.234	.009	98.93
133	"	"	"	"	" 15 A 20	.325	1.011	.228	.016	98.42
134	"	"	"	"	" 25 A 30	.494	3.703	.413	.031	95.29

REMARQUES:

RAPPORT DU LABORATOIRE
POUR QUARTZ Roseval

SITE 2 : Za

Date 1988-Novembre
de Labo.
à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂			
363	88-11-16	GC	16-24	Mixe	T4 0-5	1.347	3.680	.866	.083			99.05
364	"	"	"	"	" 10-15	1.902	4.035	.964	.108			93.00
365	"	"	"	"	" 20-25	.408	.883	.376	.022			98.31
366	"	"	"	"	" 30-35	.311	.839	.461	.018			98.37
367	"	"	"	"	" 40-50	7.335	3.184	1.069	.153			88.26
368	"	"	"	"	W 0-5	.233	.512	.127	.008			99.12
369	"	"	"	"	" 5-10	.250	1.655	.090	.017			97.99
370	"	"	"	"	W 10-15	.438	3.598	.191	.034			95.74
399	88-11-17	YM	0-8	MINE	V 0-5							

REMARQUES:



RAPPORT DU LABORATOIRE
 POUR QUARTZ Royal

SITE 2a

Date NOVEMBRE '88
 de _____
 à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂		SiO ₂		
314	22-11-15	FL	4-12	MINE	T-6 0-5	498	1.04	.442	.025		98.00		
315	"	"	"	"	" 10-15	1.673	3.33	1.01	.053		93.93		
316	"	"	"	"	" 15-20	.504	1.22	.201	.025		98.05		
317	"	"	"	"	" 25-30	.372	1.90	.566	.040		97.10		
310	23-11-15	FL	4-12	MINE	T-5 0-5	1.03	2.03	.712	.066		96.14		
311	"	"	"	"	" 10-15	.178	.433	.457	.008		97.32		
312	"	"	"	"	" 20-25	.120	.331	1.28	.005		98.26		
313	"	"	"	"	" 30-35	.558	.977	.496	.018		98.02		

REMARQUES:

**RAPPORT DU LABORATOIRE
POUR QUARTZ ROSEVAL**

SITE 3

Date _____
de _____
à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION			%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂			
386	87-11-17	YM	0-5	MINE	A3 0-5			.055	.124	.044	.005			99.77
387	~	~	~	~	~ 10-15			.746	.261	.037	.020			98.44
388	~	~	~	~	~ 20-25			.346	.462	.071	.009			99.12
389	~	~	~	~	~ 30-35			.107	.130	.056	.004			99.70
390	~	~	~	~	~ 40-45			.079	.100	.025	.004			99.79
391	~	~	~	~	~ 50-55			.137	.252	.105	.009			99.50
392	~	~	~	~	~ 60-65			.129	.176	.056	.006			99.63
345	88-11-17	YM	0-8	MINE	A2 10-15			1.14	3.10	1.04	.054			99.62
346	~	~	~	~	A2 2/5			.647	1.61	.536	.030			97.18
347	~	~	~	~	A1 15-20			3.25	3.43	1.82	.091			91.91

REMARQUES:

RAPPORT DU LABORATOIRE
POUR QUARTZ Roseval

SITE 3

Date Novembre 88
de Labo.
à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe2O3	%Al2O3	%CaO	%TiO2				
353	88-11-16	GC	16-24	Mine.	A5 5-10	.303	.874	.218	.020	98.5			
354	"	"	"	"	" 15-30	.268	.718	.228	.017	98.8			
355	"	"	"	"	" 25-30	.231	.544	.173	.013	99.0			
356	"	"	"	"	" 35-40	.327	.373	.071	.009	99.2			
407	88-11-17	YM	0-8	"	A6 25-30								
408	"	"	"	"	" 35-40								
409	"	"	"	"	" 45-50								
357	88-11-16	GC	16-24	"	A6 0-5	.331	1.291	.304	.022	98.0			
358	"	"	"	"	A6 10-15	.148	.433	.129	.010	99.3			
359	"	"	"	"	A6 20-25	.148	.669	.158	.011	99.01			
360	"	"	"	"	" 30-35	.083	.233	.067	.008	99.6			
361	"	"	"	"	" 40-45	.106	.307	.090	.008	99.5			
362	"	"	"	"	" 50-55	.142	.410	.112	.010	99.3			
393	88-11-17	YM	0-8	MINE	A7 15-20								
394	"	"	"	"	A8 5-10								

REMARQUES:

RAPPORT DU LABORATOIRE
 POUR QUARTZ Reserve

SITE 3

Date Novembre '8
 de 1960
 à

No LAB	DATE	INIT	QUART	PROVENANCE	DESCRIPTION	%Fe ₂ O ₃	%Al ₂ O ₃	%CaO	%TiO ₂	SiO ₂
342	88-11-16	GC	16-24	Mine.	EXP 1 0-5	1.859	1.194	.915	.042	95.99
343	"	"	"	"	" 10-25	2.737	1.250	1.821	.047	94.15
344	"	"	"	"	" 35-40	.868	.476	.645	.017	98.00
345	"	"	"	"	" 45-50	.140	.070	.263	.004	99.52
346	"	"	"	"	" 55-60	.219	.107	.397	.005	99.27
347	"	"	"	"	EXP 1 5-10	1.762	1.132	1.767	.032	95.31
348	"	"	"	"	EXP 2 15-20	.825	.402	1.457	.012	97.30
349	"	"	"	"	EXP 2 25-30	1.245	.738	1.339	.022	96.65
350	"	"	"	"	EXP 2 35-40	1.211	.687	1.316	.019	96.77
351	"	"	"	"	EXP 2 45-50	1.455	.782	1.331	.025	96.90
352	"	"	"	"	" 55-60	2.441	1.139	1.621	.043	94.76

REMARQUES:

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Ministry of Northern Development and Mines

DOCUMENT No. W 9006-014

2.13006

Copy Fed. 2707

- 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.

Report of Work (Expenditures, Subsection 77(19)) 2.13006

Type of Work Performed CONSULTANTS REPORT	Mining Division PORCUPINE	Township or Area PENHORWOOD TWP
Recorded Holder La Societe de Gestion Maskours Inc.	Prospector's Licence No. T-5171	
Address 150 de Brullon Boucherville Quebec J4B 2J2	Telephone No. 1-514-655-0157	
Work Performed By BEDROCK CONSULTING	SUITE #1, 396 EVA AVE, SUDBURY, ONTARIO P3C 4N3	
Name and Address of Author (of Submission) ROBERT G. KOMARECHKA APT #1 396 EVA AVE SUDBURY ONT.	Date When Work was Performed From: 24 10 88 To: 19 3 89 Day Mo. Yr. 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	
P1074716											
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
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 \$ 3782.96 ÷ 15 = 252				Total Number of Mining Claims Covered by this Report of Work 26			

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

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
P	994486	10	P	994632	10	P	994640	10	P	1029493	10
P	994625	10	P	994633	10	P	994641	10	P	1029494	2
P	994626	10	P	994634	10	P	994647	10	RECEIVED JAN 11 1990		
P	994627	10	P	994635	10	P	994648	10			
P	994628	10	P	994636	10	P	994649	10	MINING LANDS SECTION		
P	994629	10	P	994637	10	P	994650	10			
P	994630	10	P	994638	10	P	994651	10	RECEIVED JAN 8 1990		
P	994631	10	P	994639	10	ONTARIO GEOLOGICAL SURVEY PART 1029492 FILED					

Total Number of Days Performed 252	Total Number of Days Claimed 252	Total Number of Days to be Claimed at a Future Date 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: JAN 4 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
Robert G. Komarechka APT #1 396 EVA AVE, SUDBURY ONTARIO P3C 4N3

Telephone No. (705) 673-0873 Date JAN 4 1990 Certified By (Signature) Robert G. Komarechka

For Office Use Only

Total Days Cr. Recorded 252	Date Recorded JAN. 8/90	Mining Recorder [Signature]	RECORDED JAN - 8 1990	RECEIVED JAN 8 1990
Date Approved as Recorded 13 March 90	Provincial Manager, Mining Lands [Signature]			

Report of Work 2.13006
 (Expenditures, Subsection 77(19))

Mining Act

Type of Work Performed CONSULTANTS REPORT	Mining Division PORCUPINE	Township or Area PENHORWOOD TWP
Recorded Holder ROSEVAL SILICA INC 2.13006	Prospector's Licence No. T 4950	
Address 150 de Brullon, Boucherville, Quebec, J4B 2J2		Telephone No. (514) 655-0151
Work Performed By BEDROCK CONSULTING, SUITE #1, 396 EVA AVE, SUDBURY, ONTARIO P3C 4N3		
Name and Address of Author (of Submission) ROBERT G. KOMARECHKA APT #1, 396 EVA AVE, SUDBURY, ONTARIO P3C4N3		Date When Work was Performed From: 10 88 To: 14 3 89 Day Mo. Yr. 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																																
P 994260																																															
<table border="0"> <tr> <td>Instructions</td> <td colspan="4">Calculation of Expenditure Days Credits</td> <td colspan="4">Total Number of Mining Claims Covered by this Report of Work</td> </tr> <tr> <td>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).</td> <td colspan="4">Total Expenditures</td> <td colspan="4">Total Days Credits</td> </tr> <tr> <td></td> <td colspan="4">\$ 1891.48</td> <td colspan="4">÷ 15 = 126</td> </tr> <tr> <td></td> <td colspan="4"></td> <td colspan="4">6</td> </tr> </table>												Instructions	Calculation of Expenditure Days Credits				Total Number of Mining Claims Covered by this Report of Work				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).	Total Expenditures				Total Days Credits					\$ 1891.48				÷ 15 = 126									6			
Instructions	Calculation of Expenditure Days Credits				Total Number of Mining Claims Covered by this Report of Work																																										
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).	Total Expenditures				Total Days Credits																																										
	\$ 1891.48				÷ 15 = 126																																										
					6																																										

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	994486	30									
P	994625	30									
P	994626	10									
P	994627	10									
P	994630	30									
P	994637	16									

Total Number of Days Performed 126	Total Number of Days Claimed 126	Total Number of Days to be Claimed at a Future Date 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: **JAN. 4 1984**

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:
Robert G. Komarechka APT #1 396 EVA AVE, SUDBURY ONTARIO P3C 4N3

Telephone No.: **(705) 673-0873**

Date: **JAN 4, 1984**

Certified By (Signature): *Robert G. Komarechka*

For Office Use Only

Total Days Cr. Recorded 126	Date Recorded JAN. 8/90	Mining Recorder <i>[Signature]</i>	RECORDED RECEIVED JAN - 8 1990 JAN 8 1990
Date Approved as Recorded 13 March 90	Provincial Manager, Mining Lands <i>[Signature]</i>		

SUMMARY OF EXPENSES FOR

MARCH 12 1989 ROSEVAL TIONAGA RESERVES REPORT

INVOICE #	CONSULTING	EXPENDITURES
15391	2,400. ⁰⁰	85.78
15392 ; 15393	2,245. ⁰⁰	442.72
000452	420. ⁰⁰	80.94
RECEIVED		
JAN 08 1990		
MINING LANDS SECTION		
<u>TOTALS</u>	5065. ⁰⁰	609.44

GRAND TOTAL OR ABOVE = \$ 5674.44

$\frac{1}{3}$ of this total relates to claim # P994260 = 1891.48

$\frac{2}{3}$ of this total relates to claim # P1074716 = 3782.96

Payment received for all above expenses.

Robert D. Fomenko

2.10828

Payment
 Received
 Robert G. Komarečka

CONSULTING	EXPENDITURES
2000.00	29.72
400.00	27.10
	22.16
	6.80
<u>2400.00</u>	<u>\$ 85.78</u>



BEDROCK CONSULTING
 SUITE #1 396 EVA AVE
 SUBBURY ONTARIO P3C 4N3

SOLD TO ROSEVAL SILICA INC
 SHIPPED TO _____
 ADDRESS PEN HORWOOD QUARTZ VIA _____

OUR NUMBER	15391
DATE	NOV 10 1988
CUSTOMER'S ORDER	
CONSULTANT FISCAL	B. KOMAREČKA
TERMS	ON RECEIPT OF
F. O. B.	BILLING*

INVOICE	OCT 24	10 DAYS @ 200.00 / DAY	2000	000		
	NOV 3					
	NOV 4	NOV 4, 8, 9, 10 - 4 - 1/2 DAYS @ 100.00 / DAY	400	00		
	NOV 10					
		MILEAGE 3015 km @ .25/km	753	75		X
		MEALS OCT 26 - 27-30 11.91, OCT 31 - 31.98	43	89		X
		POST EXPENSES 29.72	29	72		
		MNR EXPENSES 27.10	27	10		
		OCT 25 OFFICE SUPPLIES PAID IN FULL	22	16		
		NOV 9 PHOTO COPIES	6	80		
	TOTAL			3283	42	

031 * 2% / MO ON ALL PAST DUE ACCOUNTS

Payment Received
Robert S. Komarechka



BED ROCK CONSULTING
 SUITE #1 396 EUA AVE
 SUDBURY ONTARIO P3C 4N3

pg 1 of 2

OUR NUMBER	15392
DATE	1980 DEC 23 1980
CUSTOMER'S ORDER	GEOLOGIST SALESMAN B. KOMARECHKA MINER WORK
TERMS	ON RECEIPT OF BILLING
F. O. B.	

SOLD TO ROSEVAL SILICA INC
 SHIPPED TO _____
 ADDRESS PENHORWOOD QUARTZ VIA _____

CONSULTING

EXPENDITURES

1890.00
 355.00

184.46
 115.11
 58.90
 84.25

2245.00

442.72

INVOICE

NOV 11	GEOLOGICAL CONSULTANT 94 HRS	1890	00	✓	
DEC 22	0 20.00/HR.				
NOV 22	15 MEAL IN FIELD	25	00	X	
DEC 13-14	CAB FARE IN TORONTO	16	00	X	
NOV 15-2	GEOLOGIST	355	00	✓	
	OFFICE SUPPLIES	184	46	✓	
	M.NR. INVOICES	540	68	X	
	POSTAGE	115	11	✓	
	COPYING & BLUEPRINTS	58	90	✓	
	PARKING	8	50	X	
NOV 23	LAND REGISTRY OFFICE	10	00	X	
OCT 25	PHONE BILL	359	46	X	

pd see next pg

SUITE #1 396 ELM AVE
 SUDBURY ONTARIO P3C 4N3

Pg 2 of 2

OUR NUMBER	15393
DATE	DEC 23 1980
CUSTOMER'S ORDER	GEOLOGISTS, B. POMARÉCHÉ <small>WELSMAN</small> : MING KWOK
TERMS	ON RECEIPT OF BILLING
F. O. B.	

SOLD TO ROSEVAL SILICA INC

SHIPPED TO _____

ADDRESS PENHORWOOD QUARTZ VIA _____

Payment Received
 Robert G. Pomaréché

INVOICE

NOV 25	PHONE BILL	424 50	X	
	AK SAMPLE BAGS	84 25	✓	
NOV 22	PHONE BILL 662 Km to Penhorwood. 25K 662	165 50	X	
	INTEREST ON PAST DUE ACCOUNT			
	— NO CHARGE —			
	pd by ROSEVAL			4237 44
	CHEQUE #0000089 SUB TOTAL			4237 44
	DISCREPANCY WITH REIMBURSEMENT FOR			
	FAGONS STAKING ^{DEPOSIT} CHEQUE #29-PS	1515 50		
	ATTACHED 21500-2489.50 DEPOSIT IN BANK			4252 94
	TOTAL			4237 44

CONSULTING

200.00
20.00
20.00
80.00

420.00

EXPENDITURES

80.94

Payment Received
Robert G
Komarechka

*) BEDROCK CONSULTING
SUITE #1 396 EVA AVE
SUDBURY ONTARIO
P3C 4N3

PH (705) 673 0873

SOLD TO ROSEVAL SILICA INC

SHIP TO _____

ADDRESS TIONAGA QUARTZ VIA PENHORWOOD TWP

pd by
Roseval cheque
99
deposited March
23/89

OUR NUMBER	000452
DATE	March 15 1989
CUSTOMER'S ORDER	
SALESMAN	B. Komarechka
TERMS	ON RECEIPT OF
F.O.B.	BILLING

INVOICE

MARCH 12	EDIT & MODIFY REPORT MAPS FOR REPORT ON TIONAGA QUARTZ RESERVES	12 HOURS @ 200.00/DAY ^{LD} - QUOTED -	200 00	✓
MARCH 13	2 HOURS DISCUSSION WITH ED ROSE ON MODIFYING & EDITING RESERVES REPORT		20 00	✓
MARCH 13	2 HOURS ON PENHORWOOD CLAIMS AS PER MINISTRY REGISTERED LETTER; 9 TELEPHONE CALLS		40 00	X
	6 HOURS ON RESERVES REPORT		120 00	✓
MARCH 14	DELIVERY OF REPORTS, PHOTOSTATING, 676 GRMS PHOTOCOPYING, MAP BLUE PRINTS, SUPPLIES		80 00	✓
	PARKING		2 56	X
	(NOTE: MAX LABOUR QUOTED WAS MAINTAINED @ \$400.00)			
	TOTAL		543 44	

257544
0000099

SUMMARY OF EXPE.



42801SE0007 2.13006 PENHORWOOD

900

MARCH 12 1989 ROSEVAL TIONAGA RESERVES REPORT

INVOICE #	CONSULTING	EXPENDITURES
15391	2,400. ⁰⁰	85.78
15392 ; 15393	2,245. ⁰⁰	442.72
000452	420. ⁰⁰	80.94
2.13006		
<u>TOTALS</u>	5065. ⁰⁰	609.44

RECEIVED

JAN 08 1990

MINING LANDS SECTION

GRAND TOTAL OF ABOVE = \$ 5674.44

1/3 of this total relates to claim # P 994260 = 1891.48

2/3 of this total relates to claim # P1074716 = 3782.96

Payment received for all above expenses.

Roland G. Somers

2.10828

Payment Received
 Sheri S. Komarechka

(*)

BEDROCK CONSULTING
 SUITE #1 396 EVA AVE
 SUDBURY ONTARIO, P3C 4N3.

OUR NUMBER	15391
DATE	NOV 10 1988
CUSTOMER'S ORDER	
CONSULTANT BYEMPLOYEE	B. KOMARECHKA
TERMS	ON RECEIPT OF
F.O.B.	BILLING*

SOLD TO ROSEVAL SILICA INC

SHIPPED TO _____

ADDRESS PEN HOKWOOD QUARTZ VIA _____

CONSULTING	EXPENDITURES
2000.00	29.72
400.00	27.10
	22.16
	6.80
<u>2400.00</u>	<u>\$ 85.78</u>

OK ✓
 OK ✓
 NO
 NO
 OK ✓
 OK ✓
 OK ✓
 OK ✓

INVOICE

OCT 24	10 DAYS @ 200.00 / DAY	2000	000		
NOV 3					
NOV 4	NOV 4, 8, 9, 10 - 4 1/2 DAYS @ 100.00 / DAY	400	00		
NOV 10					
	MILEAGE 3015 km @ .25/km	753	75	X	
	MEALS OCT 26 - 27 11.91, OCT 31 - 31.98	43	89	X	
	POST EXPEN SCS 29.72	29	72		
	MNR EXPENSES 27.10	27	10		
OCT 25	OFFICE SUPPLIES PAID IN FULL	22	16		
NOV 9	PHOTO COPIES	6	80		
	TOTAL				3283 42

☐ D31 * 2% / MO ON ALL PAST DUE ACCOUNTS

Payment Received
Robert S. Komarechka



BED ROCK CONSULTING
SUITE #1 396 EUA AVE
SUDBURY ONTARIO P3C 4N3

pg 1 of 2

OUR NUMBER	15392
DATE	DEC 23 1988
CUSTOMER'S ORDER	
GEOLOGIST SALESMAN	B. KOMARECHKA MINER WORK
TERMS	ON RECEIPT OF BILLING
F. O. B.	

SOLD TO ROSEVAL SILICA INC
SHIPPED TO _____
ADDRESS PENHORWOOD QUARTZ VIA _____

CONSULTING EXPENDITURES

1890.00	184.46
355.00	115.11
	58.90
	84.25
<hr/>	<hr/>
2,245.00	442.72

OK
NO
NO
NO
OK
OK
NO
OK
OK
NO
NO
NO
NO

NOV 11	GEOLOGICAL CONSULTANT 94 HRS	1890	00	✓	
DEC 22	20.00/HR.				
NOV 22	MEAL IN FIELD	25	00	X	
DEC 13-14	CAB FARE IN TORONTO	16	00	X	
NOV 15-22	GEOLOGIST	355	00	✓	
	OFFICE SUPPLIES	184	46	✓	
	M.NR. INVOICES	540	68	X	
	POSTAGE	115	11	✓	
	COPYING BLUEPRINTS	58	90	✓	
	PARKING	8	50	X	
NOV 23	LAND REGISTRY OFFICE	10	00	X	
OCT 25	PHONE BILL	359	46	X	

pd see next pg

BEDROCK CONSULTING
 SUITE #1 396 EVA AVE
 SUDBURY ONTARIO P3C 4N3

Pg 2 of 2

OUR NUMBER	15393
DATE	DEC 23 1980
CUSTOMER'S ORDER	GEOLOGISTS, B. KONARECHKA SALESMAN : MING KWOK
TERMS	ON RECEIPT OF BILLING
F. O. B.	

SOLD TO ROSEVAL SILICA INC
 SHIPPED TO _____
 ADDRESS PENHORWOOD QUARTZ VIA _____

Payment
 Received

Robert G.
 Roseval

NO
 OK
 NO
 INVOICE

NOV 25	PHONE BILL	424	58	X	
	SA SAMPLE BAGS	84	25	✓	
NOV 22	PHONE BILL 662 Km to Penhorwood 25x662	165	50	X	
	INTEREST ON PAST DUE ACCOUNT				
	— NO CHARGE —				
	pd by ROSEVAL				4237 44
	CHEQUE #0000089 SUB TOTAL				4237 44
	DISCREPANCY WITH REIMBURSEMENT FOR GAGNONS STAKING ^{BEDROCK} CHEQUE #24-85	1515	50		
	ATTACHED 2,500 - 2489.50 DEPOSIT IN BANK				4252 94
	TOTAL				4237 44

CONSULTING

EXPENDITURES

200.00
20.00
20.00
80.00

420.00

80.94

Payment Received
Robert S
Komarechka

(*)

BEDROCK CONSULTING
SUITE #1 396 EVA AVE
SUDBURY ONTARIO
P3C 4N3

ph (705) 673 0873

pd by
Roseval cheque
99
deposited March
23/89

OUR NUMBER	000452
DATE	March 15 1989
CUSTOMER'S ORDER	
SALESMAN	B. Komarechka
TERMS	ON RECEIPT OF
F.O.B.	BILLING

SOLD TO ROSEVAL SILICA INC

SHIP TO

ADDRESS TIONAGA QUARTZ VIA PENHORWOOD TWP

OK
INVOICE

NO
OK
OK
OK
NO

MARCH 12	EDIT & MODIFY REPORT : MAPS FOR REPORT ON TIONAGA QUARTZ RESERVES				
	12 HOURS @ 200.00/DAY - QUOTED -	200	00	✓	
MARCH 13	2 HOURS DISCUSSION WITH ED ROSE ON MODIFYING RESERVES REPORT	20	00	✓	
MARCH 13	2 HOURS ON PENHORWOOD CLAIMS AS PER MINISTRY REGISTERED LETTER : 9 TELEPHONE CALLS	40	00	X	
	6 HOURS ON RESERVES REPORT	120	00	✓	
MARCH 14	DELIVERY OF REPORTS, PHOTOSTATING, CTC CHRS	80	00	✓	
	PHOTOCOPYING, MAP BLUE PRINTS, SUPPLIES	80	94	✓	
	(NOTE: MAX LABOUR QUOTED WAS MAINTAINED @ \$400.00)				
	PARKING	2	50	X	
	TOTAL				543 44

ROSEVAL
000009A

REFERENCE

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

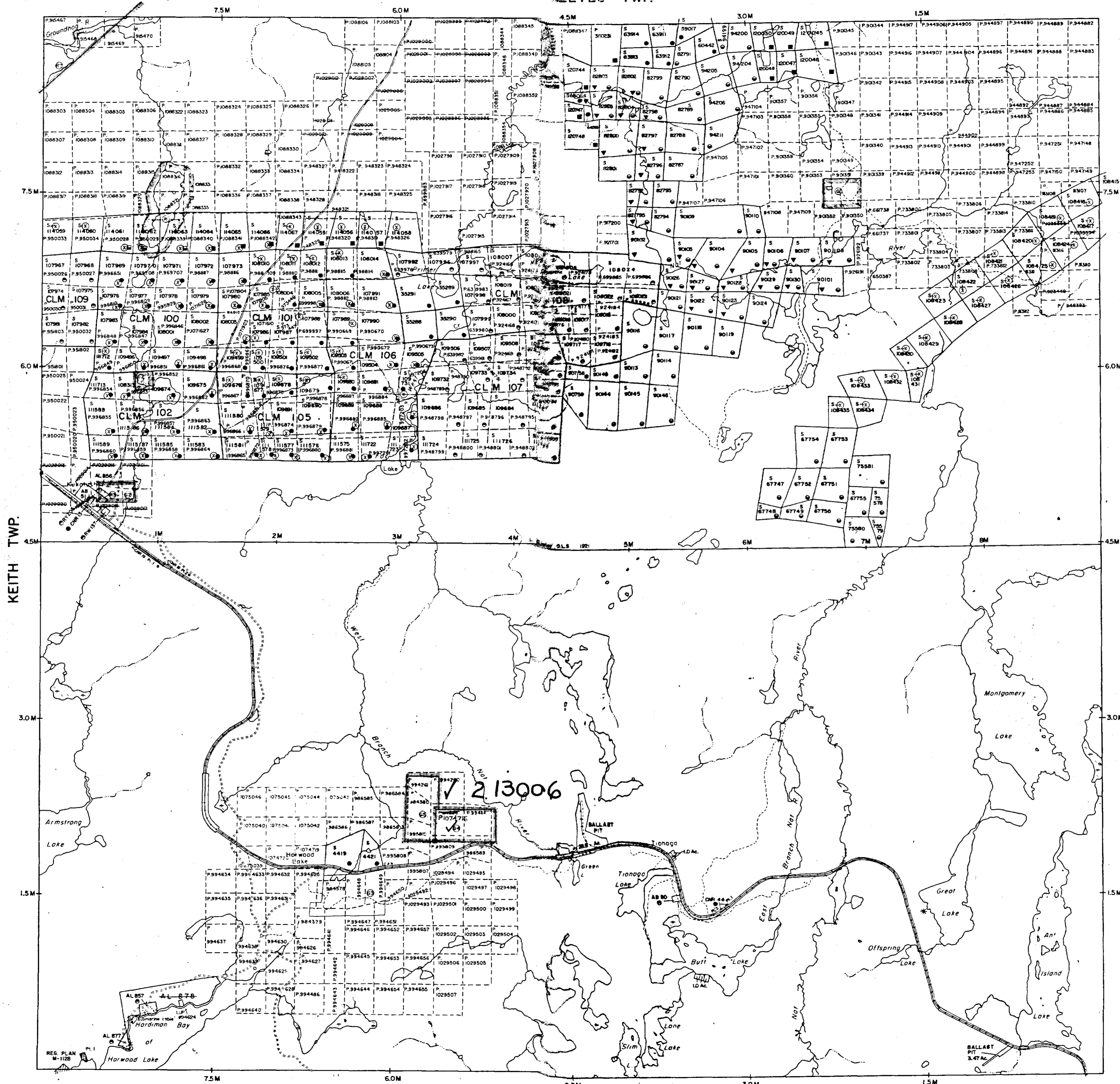
M. + S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
400 RESERVE			S.R.O.	35537
SEC. 43/70	W 9172	27/2/72	S.R.O.	63006 V.2
SEC. 36/80		11/7/81	S.R.O.	35537
ORDER OF THE MINISTER #33/87 DATED MARCH 30/87 WITHDRAWS MINING AND SURFACE RIGHTS UNDER SECTION 36 OF THE MINING ACT R.S.O. 1980				

SAND AND GRAVEL

GRAVEL	FILE	38729
GRAVEL PIT	FILE	3555 V.6
GRAVEL	FILE	106274
QUARRY PERMIT #22805 ISSUED FOR THE REMOVAL OF THE QUARTZ JULY 1, 1987.		
QUARRY PERMIT # 22808 ISSUED FOR THE REMOVAL OF QUARTZ SEPT. 10, 1987		
CANCELLED PATENT AND LEASED CLAIMS		

EEVES TWP.



LEGEND

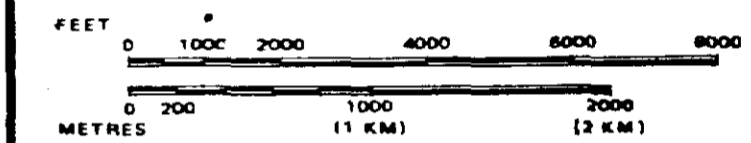
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- 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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

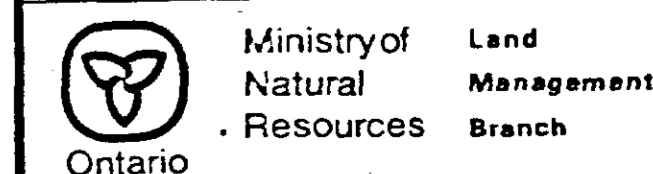
LAND USE PERMIT
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 5, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



ACTIVATED JANUARY 30, 1990

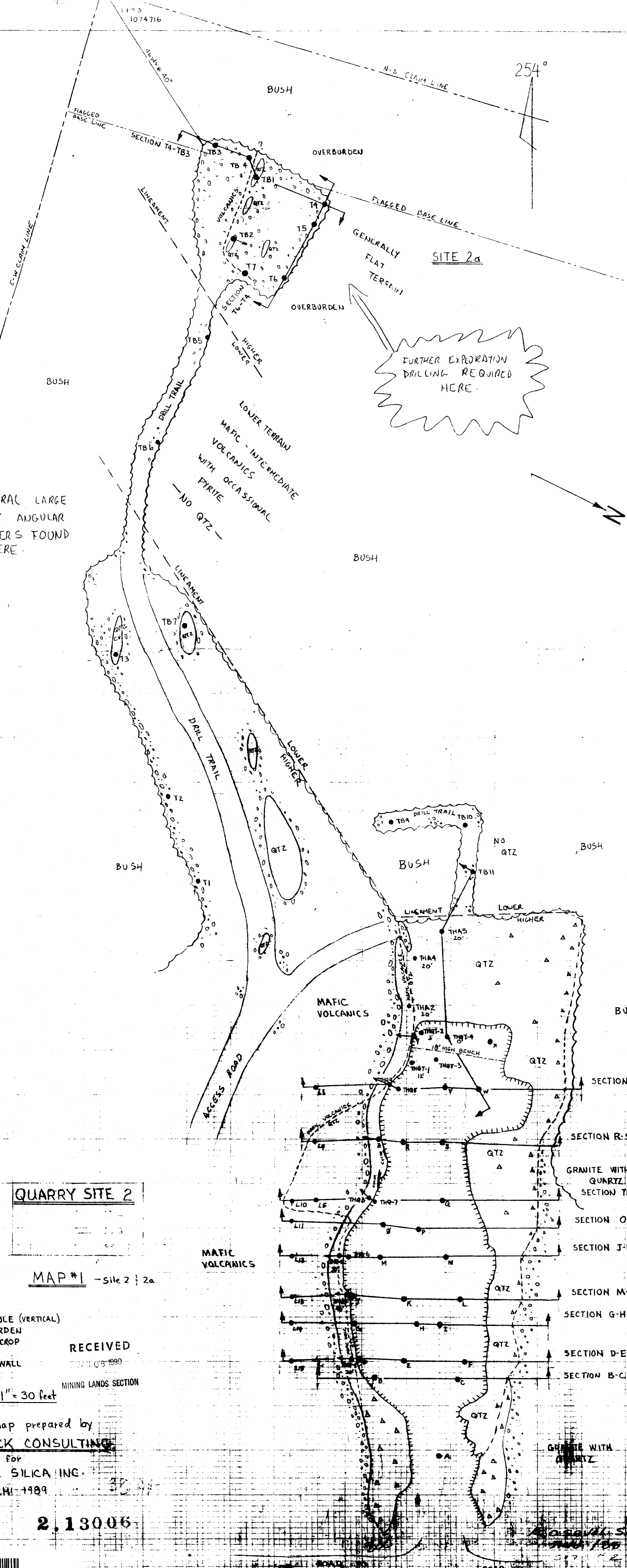
TOWNSHIP
PENHORWOOD
M.N.R. ADMINISTRATIVE DISTRICT
CHAPLEAU
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
SUDBURY



Date MARCH 1995
Number **G-3244**



254°



SEVERAL LARGE FLOAT ANGULAR BOULDERS FOUND HERE.

FURTHER EXPLORATION DRILLING REQUIRED HERE.

QUARRY SITE 2

MAP #1 - Site 2 | 2a

- LEGEND**
- T_v • DRILL HOLE (VERTICAL)
 - OVERBURDEN
 - QTZ OUTCROP
 - △ BRECCIA
 - QUARRY WALL

RECEIVED
MARCH 1989

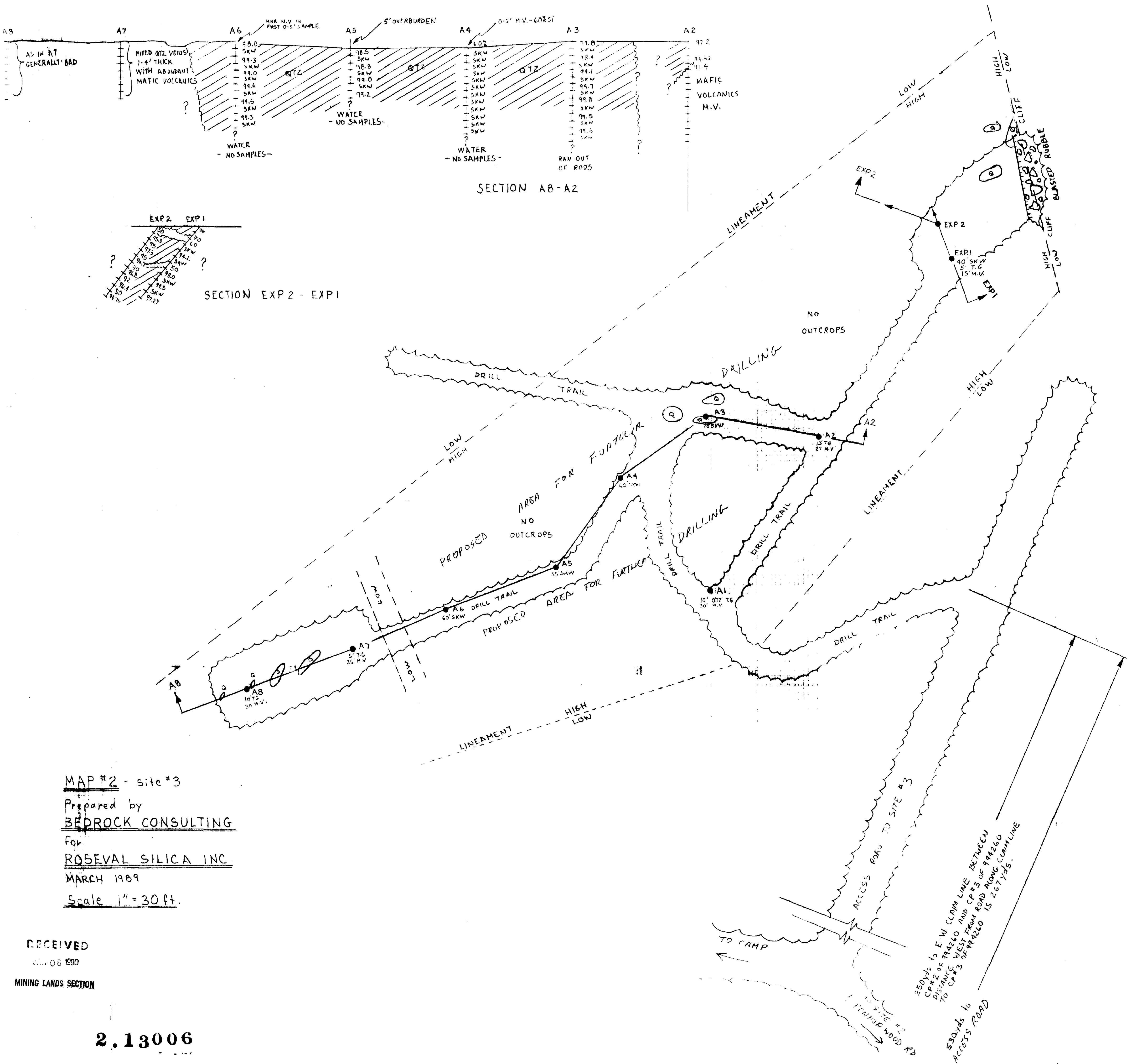
Scale 1" = 30 feet

Sketch map prepared by
BEDROCK CONSULTING
for
ROSEVAL SILICA INC.
MARCH 1989

2.13006



SITE #3



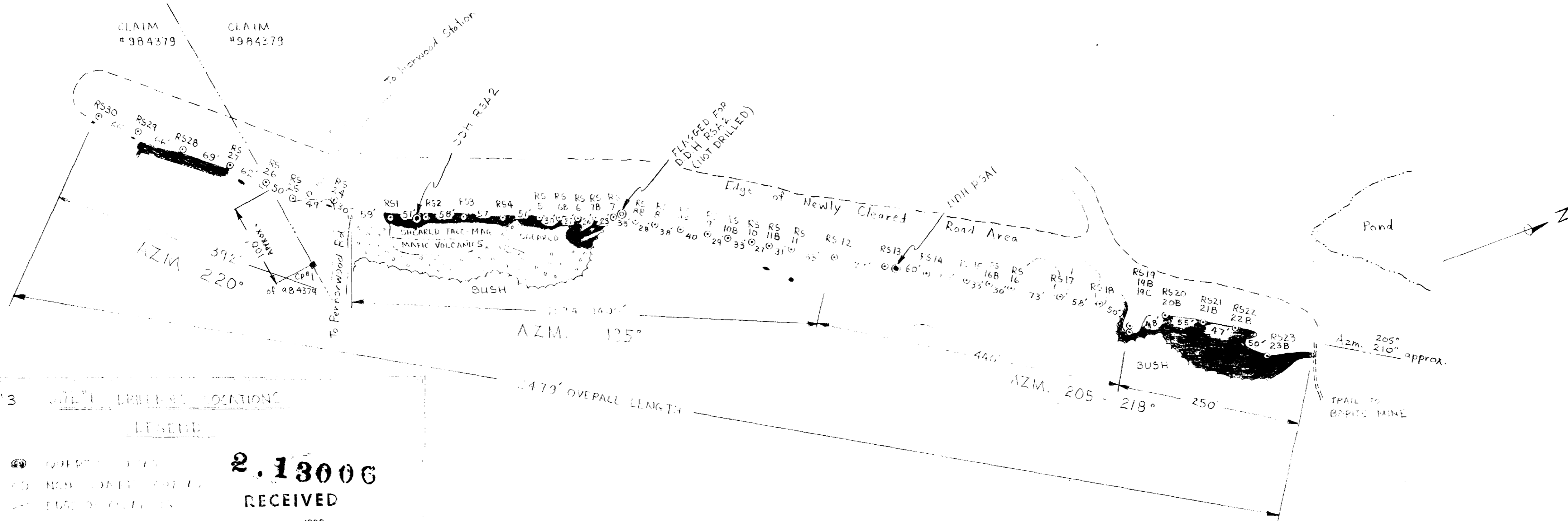
MAP #2 - site #3
 Prepared by
BEDROCK CONSULTING
 For
ROSEVAL SILICA INC.
 MARCH 1989
 Scale 1" = 30 ft.

RECEIVED
 APR 08 1990
 MINING LANDS SECTION

2.13006

ROSEVAL SILICA
 MAP #2
 MARCH/89
 1"-30'





MAP #3 DRILL HOLE LOCATIONS

LEGEND

- ④ OPEN HOLE
- NEW DATA POINT
- EDGE OF CLEARING
- BUSH
- TRAIL
- ROAD
- OVERBURDEN
- ⊙ DIAMOND DRILL HOLE (LITTLE SPOTTED)
- ⊙ DIAMOND DRILL HOLE (LARGE SPOTTED)
- ⊙ EXCAVATION

2.13006
RECEIVED
 JUN 08 1990
 MINING LANDS SECTION

Prepared for:
ROSEVAL SILICA
 MAP #3
 MAR 11/83.
 by:
 BEDROCK CONSULTING

