



41115SE0083 0024 RATHBUN

010

REPORT ON ASSESSMENT WORK

PERFORMED

ON MINING CLAIMS #574961

AND 574962 IN THE TOWNSHIP

OF

RATHBUN

IN

SUDBURY MINING DISTRICT

**RECEIVED**

SEP 14 1982

MINING LANDS SECTION

AUG. 1982

REINO L. VIITALA

C-32251

*Reino L. Viitala*

*qual. on file. 2.3916*



41115SE0083 0024 RATHBUN

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## ABSTRACT

This report covers the trenching assessment work performed, rock descriptions, and assay results of sampling the Quartz-Carbonate veining network that is exposed on Claims # 574961 and 574962. Sampling area covers the old Gordon Mine site circa 1895-96. Four different veins were exposed; North Vein, Branch Vein, Main Vein, and South Vein. Their strikes, dips, widths, and length were recorded. Sampling depth for assaying was 4 - 6", representatively along each vein and the wall rock of each vein was characterized. The information gathered will set future drill-site locations for this property.

## PHYSICAL OBSERVATIONS

Vegetation is mixed, medium growth of maples, poplar, birch, with some jack pine stands and mature white pines. Underbrush is light, consisting of minor shrubs of 1 to 2 ft growth.

Soil depth varies from 1 to 2 ft on the North Vein to a thickness of zero on the Main Vein. Claim # 574961 is more extensively covered with exposed sand and gravel in the South-West corner. Claim 574962 is mainly outcrop with a light LFH layering. The land generally lies 30 to 50 ft above the water level of Matagamasi Lake to the South end and Boucher Lake to the North boundaries. Outcrops show extensive glaciation with striations striking North-South.

## GENERAL GEOLOGY

The Quartz - Carbonate veining occurs in a meta-sediment mixture of Argillites, Quartzites, and Wackes. The old Gordon Mine site (# 13 on OGS MAP 2451, MASSAY BAY SHEET ) is found on metamorphosed fine-grained Argillite and Quartzite. The veining strikes West from the Gabbro - intrusive contact that is found east of the claims. This gabbro-metasediment contact is brecciated and trends North - South. Some folding with synformal and antiformal axis can be seen on the metasediments accompanied with strong jointing and fracturing. Sudbury-type breccia is observed on the shoreline of Ketamagasi Lake in the South-east portion of Claim 574962. Generally, all four veins on these claims strike 270 - 285° and dip 80° South.

### VEIN PETROLOGY (site specific)

#### NORTH VEIN

Strikes at 285° and dip varies slightly from 75°S to 80°S, East to West on a 50 ft length of exposure. Vein thickness varies from 4 - 8 inches. The vein appears continuous at both ends of exposure.

The Quartz - Carbonate vein is very leached and oxidized. Areas of Fe-oxide concentrations occur in pockets of Marcasite rich sulphides. The above Trace gold values appear to be associated with these areas. Any free gold would have been washed out of the many vugs and fractures along quartz and carbonate cleavages. Quartz crystals and altered mica rich pockets are coated with Fe-oxides (Hematite). Both wallrocks are pyritized, assaying a trace of gold. Carbonate specs are concentrated in both wallrocks and are Ankerite or Siderite in appearance.

### RANCH VEIN

This vein was exposed for a length of 218 ft with thickness varying from 3 to 9 inches. The strike varies from 285 to 270°, East to West, but dips consistently at 80°S. The east end of the exposure appears to join the main vein at shallow depth, and the west end forks into two smaller stringer veins at sample site #9.

Pockets of sulphide gossan, Fe-oxides, and weathered carbonates occur randomly along this Quartz vein giving it a reddish, rusty appearance. The rest of the vein is massive Quartz with Carbonates in stringer or specular form. The gold values vary from trace to 0.16 oz/ton. The wallrocks show a trace of gold, and consist of altered fine grained metasediments. Areas of chloritization, Fe-oxidation, pyritization, and carbonate weathering occur within both wallrocks.

### MAIN VEIN

The vein was exposed for a length of 426 ft and varies in thickness between 4 and 11 inches. Strike arcs gently from 285 to 260°, East to West, but dip remains consistent at 80°S. The west end of the vein at sample site #19 disappears into a small bog (vein width 6") and the east end forks into two smaller stringer veinlets continuing east towards the Gabbro intrusive contact.

The vein consists of Quartz - Carbonate in various forms and carries sulphides, Fe-oxides, mica, and is massive to vuggy in texture. Gold occurs in the weathered sulphide and Fe-oxidized pockets along the vein. (Values from trace to 0.04 oz/ton Au). Marcasite and Calcopryrite appear to be associated with the gold values. Wallrocks are altered fine grained metasediments carrying pyrite, carbonate, chlorite, and Fe-oxides. The Hanging wall at sample site #20 showed a value of 0.02 oz/ton Au.

## FOURTH VEIN

This vein was traced for a length of over 200 ft with a consistent width of 4 inches. Vein strikes  $270^{\circ}$  and dips  $80^{\circ}$  S consistently. Wallrocks are altered, fine grained metasediments which are very platy and highly fractured. Joint and fracture filling quartz - veinlets pattern the wallrocks.

At its westerly sample site #35, this vein carries sulphides, mica, and Fe-oxides with carbonate. The other sample site #36 shows only carbonate in the quartz vein. A relatively higher value of 0.19 oz/ton Au was sampled at site #35. The degree of surface leaching and weathering was not as pronounced in this smaller, thinner vein as it is on the thicker other veins.

## CONCLUSIONS

All the four veins show similarity in structure and mineralogy. The quartz - carbonate veining carries pockets of mica, sulphides, Fe-oxides, and Quartz crystallization. All veins appear to strike westward from a common point of origin at the Gabbro Intrusive contact east of the old Gordon Mine site. Surface values ranged from trace to 0.19 oz/ton Au. Wallrock pyritization, alteration, chloritization, and carbonatization yielded traces of Au, and at Footwall sample 4N some disseminated Galena. Marcasite and Calcopryrite were common associates where Au values were higher.

The occurrence of Au on surface trenching and sampling is controlled by three main parameters:

- degree of leaching and weathering
- areas of mobility entrapment of hydrothermal fluids
- association with carriers as Marcasite and other sulphides.

Surface values show promising potential for greater occurrence of Au at depth along the four veins and to some extent into the wallrocks.

Drilling is the next step to delineate the vein network at depth.

Table 1.

SUMMARY OF ASSESSMENT WORK  
ON CLAIMS # 574961 AND 574962

NORTH VEIN ( SITES 1 to 8 )			
SAMPLE #	DISTANCE E to W	ASSAY OZ/TON	REMARKS
1. WIDTH-4" DIP-75°S	at 2 FT	--	-Massive Qrt vein (white to clear) -Some Qrt - Xll's (0.5 cm dia.) -Weathered Fe and sulphides -Fe oxide on grain and crystal faces -Tr - Calco, Pyrite, Fe (Hem.)
2. W- 4.5" DIP-75°S	7 FT	Trace <0.01	-Dense Qrt vein (white) -Sulphide and Fe weathering -Vuggy -Weathered Carbonate and Mica -Tr - Pyrite, Marcasite, Millerite, Calco
3. W- 5" DIP-75°S	10 FT	--	-Qrt vein with weathered areas of Fe and sulphides -Some Qrt - Xll's ( 2 mm dia.) -Tr - Calco. Marcasite, Pyrite, Hematite
4. W- 4" DIP-75°S	13 FT	Trace <0.01	-Dense Qrt vein (white to clear) -Weathered sulphides and Carbonate -Tr - Calco, Marcasite, Pyrite, Fe oxides (Hem.)
4N.	15 FT-N of site # 4	Trace <0.01	-Fine grain metasediment -Qrtz or Argillite ? -Impure (greyish) -Carries fine grained blueish specs of Galena or Tellurides ? -Tr - Pyrite and Pyrite Xll's

SAMPLE #	DISTANCE E to W	ASSAY OZ/TON	REMARKS
5. W- 5" DIP-75°S	19 FT	Trace < 0.01	-Qrt vein (white to clear) -Some weathered Carbonate, Mica, Sulphides -Tr - Calco, Pyrite, Millerite
6. W- 5" DIP-75°S	24 FT	0.01	-Impure highly fractured Qrt vein -Massive areas of weathered blocky, Fe - sulphides, carbonates, oxides -Sulphide burns (Gossan) and altered Mica -Tr - Calco, Pyrite, Marcasite
7. W- 6" DIP-75°S	30 FT	0.04	-Impure highly fractured Qrt vein -Very brittle -Massive areas of weathered blocky, Fe - sulphides and carbonates -Vug filling Marcasite and Xll Qrt -Tr - Calco, Pyrite, Mica, Hematite
8. W- 8" DIP-80°S	34 FT	Trace < 0.01	-Qrt vein (white) -Some Carbonate and Fe alteration -Tr - Pyrite, Mica, Calco, Marcasite -Strike - 285°
8F. Footwall	34 FT	Trace < 0.01	-Carbonate rich metasediment (Qrtz or Argillite ?) -Pyrite stringers in cubic or specular form -Pyrite concentrations in joints and fractures
8H. Hanging Wall	34 FT	Trace < 0.01	-Carbonate rich metasediment (Qrtz or Argillite ?) -Fine grained silvery metallics dissiminated thru-out -More fractured than 8F -Carbonate and Fe alteration shows layering or bedding features



● BRANCH VEIN ( SITES 9 to 18 )

SAMPLE #	DISTANCE W to E	ASSAY OZ/TON	REMARKS
9. WIDTH-3" DIP-80°S	4 FT	0.16	-Qrt vein (white to Clear) -Blocky fracturing -Fe oxide coatings in vugs and Qrt Xll surfaces -Tr - Calco, Mica, Pyrite, Hematite -Strike - 270°
10. W- 8" DIP-80°S	43 FT	Trace <0.01	-Qrt vein (white to clear) -Pyrite and Hematite in weathered Xll and vug surfaces -Carbonate blebs, inclusions and stringers -Some alteration in Carbonate -Tr - Calco, Hematite, Pyrite
11. W- 9" DIP-80°S	58 FT	Trace <0.01	-Qrt vein (white to clear) -Carbonate blebs and stringers (Ankerite or Siderite) -Blocky weathered Fe (Hematite) -Tr - Pyrite
12. W- 4" DIP-80°S	85 FT	Trace <0.01	-Qrt vein, vuggy, reddish -Vug filling Marcasite and Fe oxides -Tr - Sulphide Gossan, Aggregated Pyrite, Hematite
13. W- 3" DIP-80°S	93 FT	0.01	-Qrt vein (white to clear), vuggy -Blocky weathered Hematite -Tr - Hematite, Pyrite
14. W- 5" DIP-80°S	116 FT	Trace <0.01	-Qrt vein (impure) -Carbonate blebs and stringers -Tr - Mica, Hematite, Calco, Pyrite -Strike - 270°

SAMPLE #	DISTANCE W to E	ASSAY OZ./TON	REMARKS
15. W- 8" DIP-80°S	127 FT	--	-Qrt vein (impure) -Weathered Carbonate blebs and stringers -Tr - Mica, Pyrite, Hematite
16. W- 8" DIP-80°S	137 FT	--	-Qrt vein (white to clear) -Some leached out vugs -Tr - Pyrite, Hematite
17. W- 4" DIP-80°S	196 FT	0.02	-Qrt vein (impure) -Weathered Carbonate and Fe -Tr - Calco, Mica, Pyrite, Fe-oxides -Strike - 280°
18. W- 3" DIP-80°S	209 FT	Trace <0.01	-Qrt vein (impure) -Weathered Carbonate and Fe -Tr - Pyrite -Strike 285°
9X.	4 FT	Trace <0.01	-Chloritized metasediment -Fine grained (Greenstone) -Tr - Pyrite and Pyrite cubes, Carbonate
11F.	58 FT	Trace <0.01	-Platy, fine grained metasediments -Tr - Pyrite, Hematite
11H.	58 FT	Trace <0.01	-Soft, fine grained metasediments -Fe rich weathered carbonates -Tr - Pyrite
16F.	137 FT	Trace <0.01	-Silicious metasediment (Qrtz or Argillite ?). Specs of Pyrite
16H.	137 FT	Trace <0.01	-Soft, altered metasediment, fine grained, Tr - Pyrite

## MAIN VEIN ( SITES 19 to 34 )

SAMPLE #	DISTANCE W to E	ASSAY OZ/TON	REMARKS
19. W- 6" DIP-80°S	0 FT	0.04	-Qrt vein (impure) -Weathered Fe and Carbonate -Tr - Calco, Mica, Pyrite, Hematite -Strike - 260°
20. W- 5" DIP-80°S	22 FT	Trace < 0.01	-Qrt vein (impure) -Some Carbonate inclusions and stringers -Blocky weathered Fe -Tr - Mica (altered)
21. W- 4" DIP-80°S	62 FT	Trace < 0.01	-Qrt vein (impure) -Weathered Carbonate, Fe -Tr - Mica (altered), Pyrite, Calco Hematite
22. W- 6" DIP-80°S	94 FT	--	-Qrt vein (impure) -Weathered Carbonate and Fe -Tr - Pyrite, Mica, Marcasite -Strike - 262°
23. W- 6" DIP-80°S	115 FT	0.04	-Qrt vein (impure) -Weathered Carbonate and Fe -Marcasite in vugs -Very vuggy, spongy, porous texture
24. W- 5" DIP-80°S	137 FT	Trace < 0.01	-Qrt vein (white to clear) -Some Carbonate and Fe weathered stringers -Tr - Pyrite specs
25. W- 5" DIP-80°S	157 FT	Trace < 0.01	-Qrt vein (white to clear) -Weathered Carbonate and Fe -Tr - Pyrite, Mica, Calco, Hematite

SAMPLE #	DISTANCE W to E	ASSAY OZ/TON	REMARKS
26. W- 4" DIP-80°S	176 FT	Trace < 0.01	-Qrt vein (impure) -Weathered Fe and Carbonate -Sulphide burn, Gossan -Tr - Calco, Mica, Pyrite, Hematite -Strike - 270°
27. W- 10" DIP-80°S	229 FT	Trace < 0.01	-Qrt vein (impure) -Blocky Fe oxides (Hematite) -Tr - Calco, Mica, Pyrite
28. W- 10" DIP-80°S	253 FT	Trace < 0.01	-Qrt vein (white to clear) Some Xll Qrt, weathered Fe -Tr - Hematite, Mica, Carbonate, Calco, Pyrite
29. W- 11" DIP-80°S	290 FT	--	-Qrt vein (white to clear) -Carbonate stringers, vugs and Qrt Xll's -Tr - Fe oxides, Pyrite -Strike - 280°
30. W- 11" DIP-80°S	312 FT	0.04	-Qrt vein (impure) -Fe oxides and sulphide Gossan -Marcasite in vugs -Tr - Marcasite, Calco, Mica
31. W- 11" DIP-80°S	326 FT	--	-Qrt vein (impure), vuggy -Carbonate blebs and stringers -Weathered Fe, Carbonate -Tr - Hematite, Calco, Mica, Chlorite, Pyrite
32. W- 9" DIP-80°S	376 FT	0.01	-Qrt vein (white to clear) -Carbonate blebs and stringers -Tr - Hematite, Calco

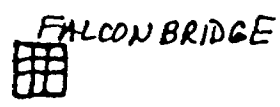
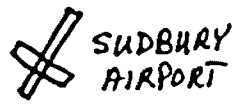
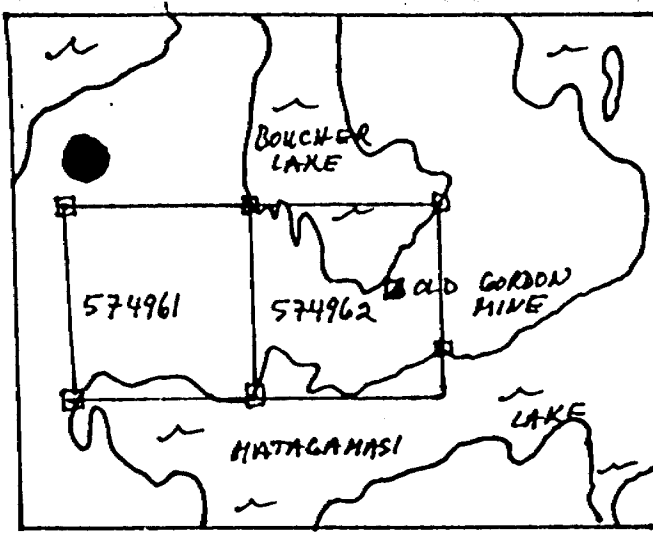
SAMPLE #	DISTANCE W to E	ASSAY OZ/TON	REMARKS
33. W- 5" DIP-80°S	415 FT	0.01	-Qrt vein (impure) -Hematite blocks (Tabular) -Aggregates of Marcasite in vugs -Tr - Calco, Mica, Fe-oxides, Marcasite -Strike - 285°
34. W- 4" DIP-80°S	423 FT	0.03	-Qrt vein (impure) -Aggregates of Marcasite and Pyrite -Tr - Sulphide burn, Hematite, Fe-oxides
20F.	22 FT	Trace < 0.01	-Altered fine grained metasediments -Carbonate specs and Pyrite -Argillite or Qtz ?
20H.	22 FT	0.02	-Altered fine grained metasediments -Carbonate specs and Pyrite -Veinlets of Qrt and Carbonate -Tr - Calco, Hematite
27F.	229 FT	Trace < 0.01	-Silicious fine grained metasediments -Tr - Pyrite, Fine dark metallics, Carbonate
27H.	229 FT	Trace < 0.01	-Pyritized metasediments with carbonates -Tr - Fe oxides
32F.	376 FT	Trace < 0.01	-Altered metasediments with Carbonates -Tr - Pyrite
32H.	376 FT	Trace < 0.01	-Altered metasediments with Carbonates -½ cm surface weathering of Fe and Carbonates -Argillite ? -Tr - Pyrite

## SOUTH VEIN (SITES 35 and 36)

SAMPLE #	DISTANCE W to E	ASSAY OZ/TON	REMARKS
35. W- 4" DIP-80°S	79 FT S of site #24	0.19	- Qrt vein (impure) -Qrt Xll's in vugs -Tr - Hematite, Carbonate, Mica, Calco, Pyrite
36. W- 3" DIP-80°S	78 FT S of site #27	Trace < 0.01	-Qrt vein (white to clear) -Qrt Xll's in vugs -No visible metallics -Tr - Carbonate, Hematite -Strike - 270°

*By. Revis. L. V. Vitch.*  
*Aug 18, 1982.*  
 C-32251.

Qualifications on file with E.F.Anderson, Director,  
 Lands Management Branch,  
 Whitney Block, Room 6450,  
 Queens Park, Toronto  
 M7A1W3

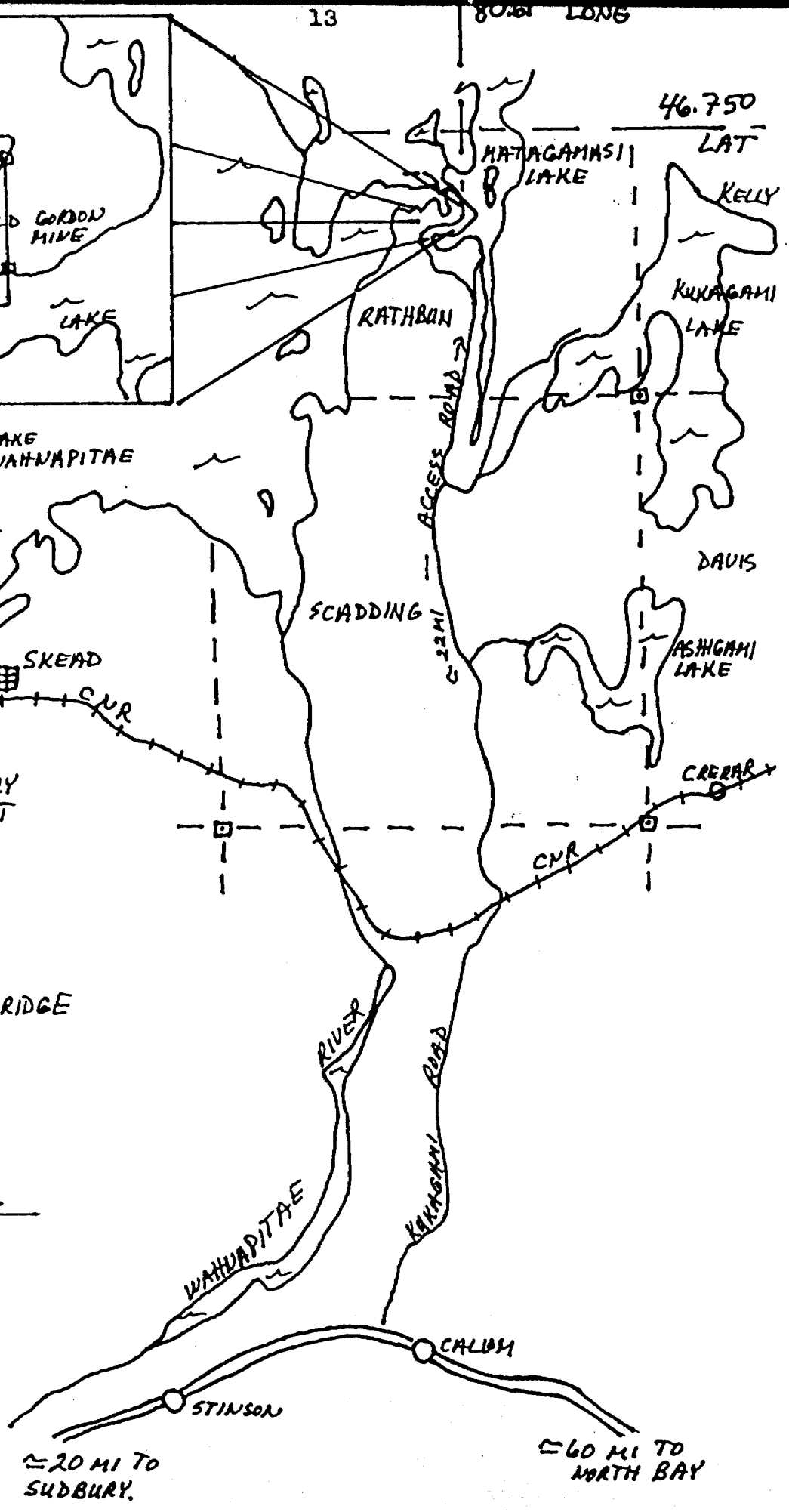


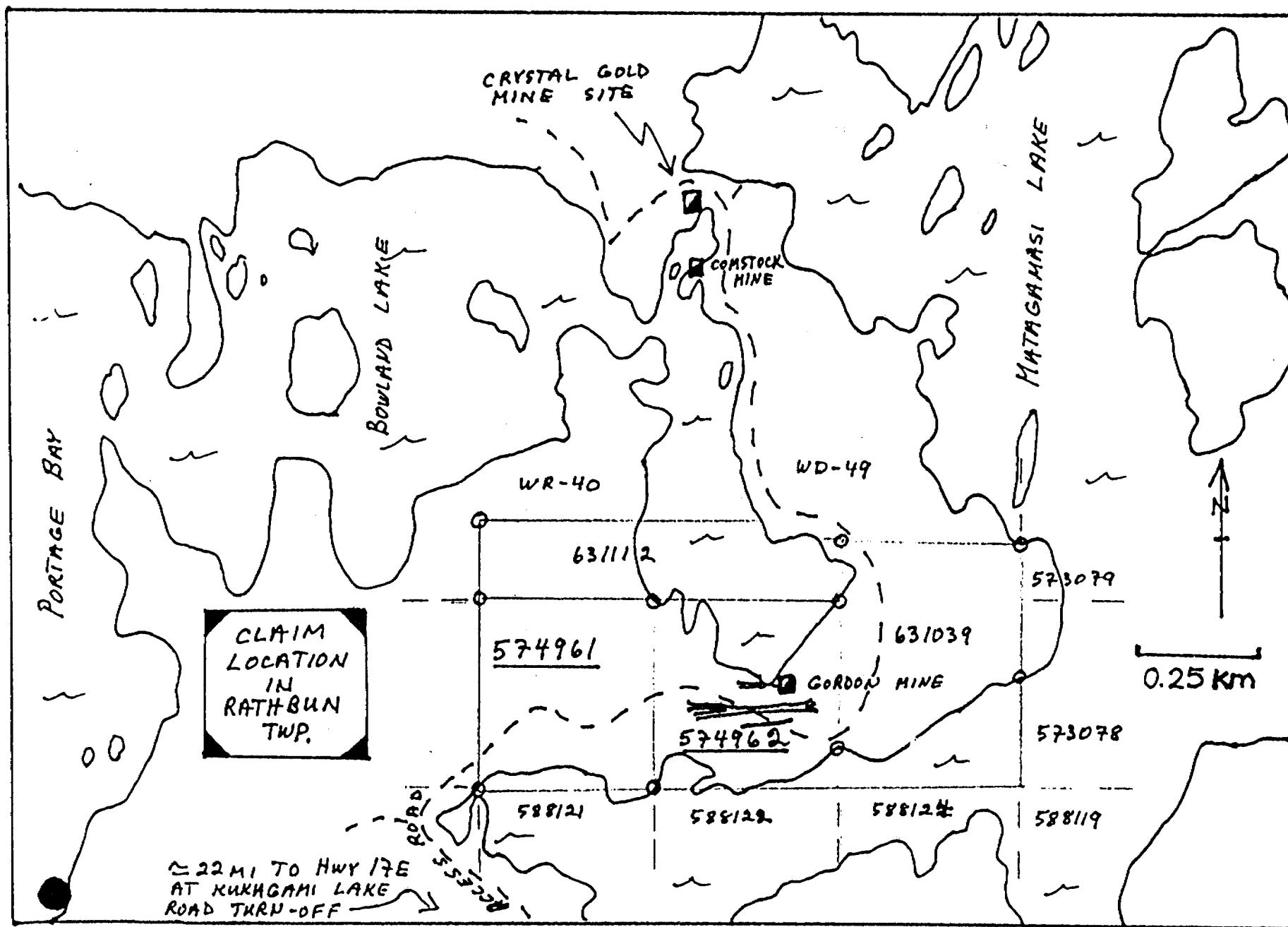
INDEX MAP  
RATHBUN TWP.

LOT - 6.

CON - III.

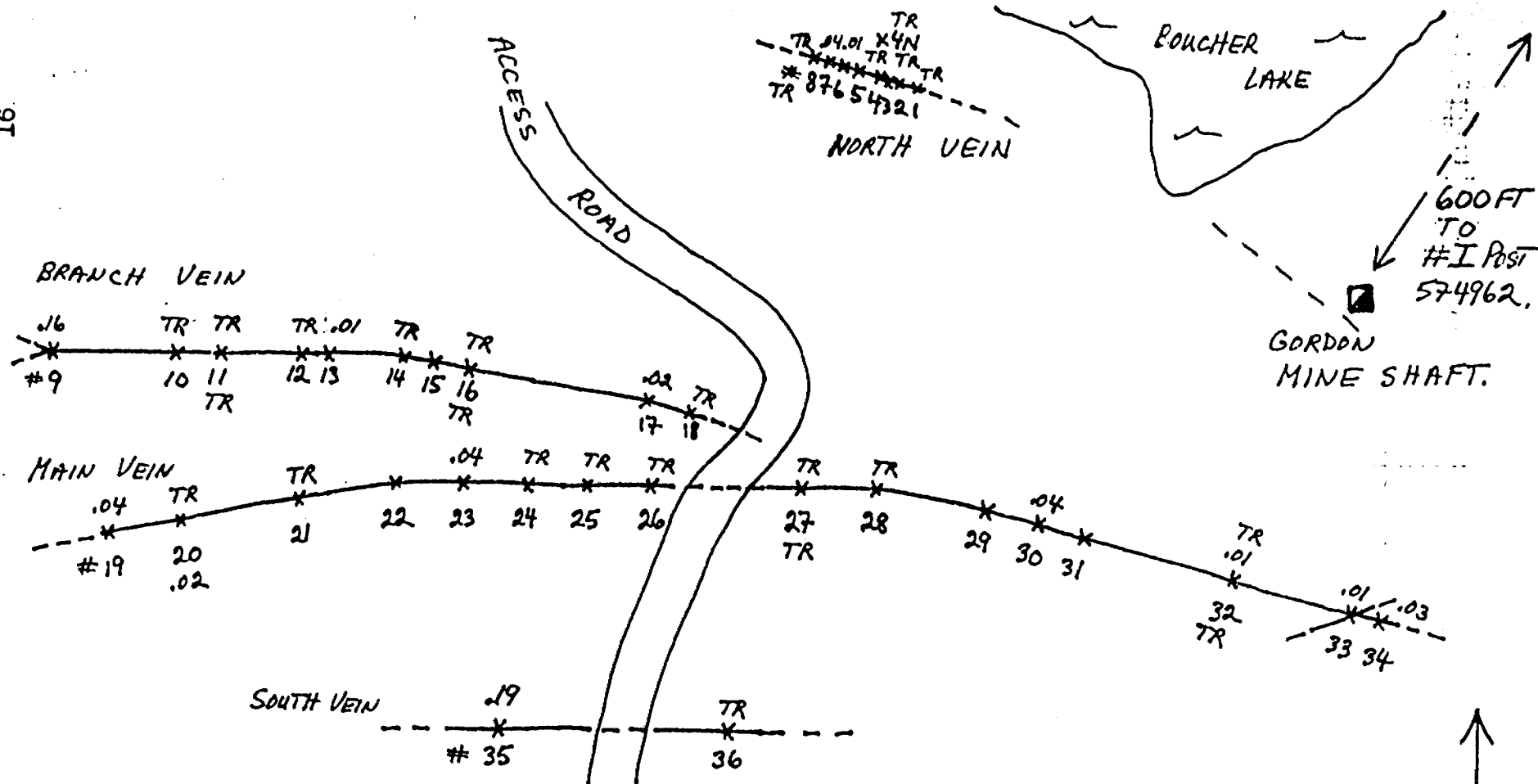
By. Rev. L. Vintala.





BY: REIND. VITALA.  
AUG-18-1982.





VEIN NETWORK AND SAMPLE  
LOCATIONS.

RATHBUN TWP.

CL - 574961 AND 574962.

Revised by L. Vitale. Aug 10, 1982.

A<sub>u</sub> = OZS PER TON.



411155E0083 0024 RATHBUN



Ontario

Ministry of  
Natural  
ResourcesOntario  
Geological  
Survey77 Grenville Street  
11th Floor  
Toronto, Ontario  
M5S 1B3  
Telephone 965-1337900  
Geoscience  
Laboratories  
ReportReport No  
B 14093Date  
August 5 1982

Issued to: R.L. Viitala

30 Chan Lake Rd.  
Box 3 RR #1

Inahnapitae, Ont. POM 3C0

PG. 1 of 2

## Fire Assay Determination

Sample Number	Gold Oz. Per Ton*	Silver Oz. Per Ton*
2	Trace<0.01	
4	Trace<0.01	
4N	Trace<0.01	
5	Trace<0.01	
6	0.01	
7	0.04	
8	Trace<0.01	
8FOOTWALL.	Trace<0.01	
8HANGINGWALL.	Trace<0.01	
9	0.16	
9X	Trace<0.01	
10	Trace<0.01	
11	Trace<0.01	
11F	Trace<0.01	
11H	Trace<0.01	
12	Trace<0.01	
13	0.01	
14	Trace<0.01	
17	0.02	
18	Trace<0.01	
16F	Trace<0.01	
16H	Trace<0.01	
19	0.04	
20	Trace<0.01	
20F	Trace<0.01	
20H	0.02	
21	Trace<0.01	
23	0.04	
Fees Received 24	Trace<0.01	

Cont'd...

\*Note: 1 Oz. Per Ton is equivalent to  
31.3 Parts Per Million.

Chief Analyst

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Inahnapitae, Ontario  
POM 3C0

Page 2 of 2

August 5 1982

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Sample Number	Gold Oz. per ton
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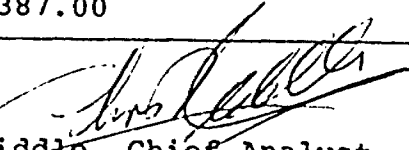
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25	Trace<0.01
26	Trace<0.01
27	Trace<0.01
27F	Trace<0.01
27H	Trace<0.01
28	Trace<0.01
30	0.04
32	0.01
32F	Trace<0.01
32H	Trace<0.01
33	0.01
34	0.03
35	0.19
36	Trace<0.01

---

Owing 387.00

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Chris Riddle, Chief Analyst

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Ontario

Ministry of  
Natural  
Resources

## Work Permit

19

Distribution Part 1 - Permittee  
2 - File  
3 - Field Office  
4 - Other

Under The Forest Fires Prevention Act and the regulations, and subject to the limitations thereof and subject also to the terms and conditions herein, this permit is issued to:

Name of Permittee

Reino L. Viitala

Post Office Address

P.O. Box # 3, R.R. #1, Wahnapiatae, Ontario

To conduct an operation from the 15th day of June, 1982 to and including the 15th day of July, 1982,  
on the following work permit area:

RATHBUN TOWNSHIP  
Lot 6, Concession 111  
Claims 574961-62

For the purpose of : Mining, Trenching and Sampling

## Subject to the following conditions

1. The Permittee shall keep this permit or a true copy thereof on the work permit area.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the work permit area to any officer whenever requested by the officer.
3. Other conditions:
4. "It is the responsibility of the permittee to contact the local Ministry of the Environment Office for necessary approvals under the Water Resources Act, the Environmental Assessment Act, and the Environmental Protection Act. Failure to obtain the approval may result in prosecution under the above legislation." Call - (705) 675-4501

## 5. PLEASE BE CAREFUL WITH FIRES.

See attached Appendix B, Schedule 1.

Place of Issue

Date of Issue

Signature of Issuing Officer

McFarlane Lake, Sudbury Dist.

June 16, 1982

## Important

Separate authority must be obtained before cutting any timber and before doing any burning.

This permit does not authorize the permittee to carry on operations on privately held land, as such authority can be given only by the owner of the land.



## The Mining Act

Name and Postal Address of Recorded Holder <b>MR REIND, L. VIITALA.</b>	Prospector's Licence No. <b>C-32251</b>
<b>CHAIN LAKE RD. BOX-3. RR#1. WAHANAPITAE, ONT. P4M-3C0.</b>	

## Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <b>16</b>	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input checked="" type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		<b>574961</b>	<b>8</b>						
		<b>574962</b>	<b>8</b>						

All the work was performed on Mining Claim(s):

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

PERFORMED BY; REIND. L. VIITALA > ADDRESS AS ABOVE.  
SHIRLEY. REMMEN

6 DAYS FOR 8 HRS EQ = 48 HRS.

1 DAY CREDIT PER 6 HR DAY =  $\frac{48}{6}$  = 8 HRS.

FOR 2 WORKERS =  $8 \times 2 = 16$  TOTAL DAYS,  
OR = 8 DAYS PER CLAIM.

DATES WORKED = JUNE, 24, 25, 26, 28, 29, 30.

WORK INCLUDED MANUALLY STRIPPING THE VEIN NETWORK READY FOR TRENCH SAMPLING.

Date of Report <b>Aug 18/1982</b>	Recorded Holder or Agent (Signature) <b>Reind. L. Viitala</b>
--------------------------------------	--

## 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 Postal Address of Person Certifying <b>REIND. L. VIITALA. ADDRESS AS ABOVE.</b>	
<b>GEOLOGY TECHNOLOGIST.</b>	Date Certified <b>Aug 18, 1982.</b>
Certified by (Signature) <b>Reind. L. Viitala</b>	

## Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work ✓	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate

# Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

## EXPENDITURES,

SELF-EMPLOYED GEOLOGY TECHNOLOGIST RATE = \$15.00/HR.

JULY-6 & 7 - MEASUREMENTS & MAPPING = 2 DAYS.

JULY-8 & 9 - SAMPLING FOR ASSAYS = 2 DAYS.

SAMPLE PREPARATION & EXAMINATION = 2 DAYS.

MAPS & REPORT WRITING = 2 DAYS.

COMPIATIONS & TYPING = 1 DAY.

$\Sigma = 9$  DAYS AT 8HR EACH = 72 HRS.

AT \$15/HR =  $72 \times 15 = \$1080.00$

PLUS ASSAYS = 387.00

\$1467.00

$\therefore$  1 DAY CREDIT PER \$15.00 SPENT =  $\frac{1467}{15} = \underline{97.8 \text{ DAYS}}$

- EXPENDITURE DAYS = 48.9/CLAIM.

- MANUAL DAYS = 8.0/CLAIM.

TOTAL = 56.9 per Claim.

OR  $\frac{97.8}{2} = 48.9 \text{ DAYS}$   
per Claim.



82-91  
Ministry of  
Natural  
Resources

Report of Work  
(Geophysical, Geological,  
Geochemical and Expenditures)

LA-111BONS TUX.

(Pl. 1071)

The Mining Act 2.5043

File 5.574961

Please type or print.  
If number of mining claims exceeds space on this form attach list.

Note: -- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.

Type of Survey(s) GEOLOGICAL (SAMPLING & ASSAYS)	Township or Area RATHBUN TWP.												
Claim Holder(s) REIND, L. VIITALA.	Prospector's Licence No. C-32251												
Address CHAIN LAKE RD. BOX-3, RR#1, WAINWAPITAE, ONT. P0M-3C0.													
Survey Company -SELF.	Date of Survey (from & to) <table border="1"> <tr> <td>6</td> <td>7</td> <td>82</td> <td>9</td> <td>7</td> <td>82</td> </tr> <tr> <td>Day</td> <td>Mo.</td> <td>Yr.</td> <td>Day</td> <td>Mo.</td> <td>Yr.</td> </tr> </table>	6	7	82	9	7	82	Day	Mo.	Yr.	Day	Mo.	Yr.
6	7	82	9	7	82								
Day	Mo.	Yr.	Day	Mo.	Yr.								
Total Miles of line Cut —													
Name and Address of Author (of Geo-Technical report) REIND, L. VIITALA. -AS ABOVE.													

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions		Days per Claim
<p>For first survey: Enter 40 days. (This includes line cutting)</p> <p>For each additional survey: using the same grid: Enter 20 days (for each)</p>	Geophysical	
	• Electromagnetic	
	• Magnetometer	
	• Radiometric	
	• Other	
	Geological	
	Geochemical	
Man Days	Days per Claim	
<p>Complete reverse side and enter total(s) here</p>	Geophysical	
	• Electromagnetic	
	• Magnetometer	
	• Radiometric	
	• Other	
	Geological	
	Geochemical	
Airborne Credits	Days per Claim	
<p>Note: Special provisions credits do not apply to Airborne Surveys.</p>	Electromagnetic	
	Magnetometer	
	Radiometric	

[illegible]

Total number of mining claims covered by this report of work.

2

Expenditures (excludes power stripping)		
Type of Work Performed HAIRING, SAMPLING, ASSESS.		
Performed on Claim(s) 574961		
574962		
Calculation of Expenditure Days Credits		
Total Expenditures		Total Days Credits
\$ 1467.00	÷ 15	= 97.8
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.		

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Records
97.8	Sept 3/82	J.C. Miller
	Date Approved as Recorded	Branch Chief
	03:06:14	[Signature]

Date Aug 18, 1982	Recorded Holder or Agent (Signature) Rev. L. V. [illegible]
----------------------	--

**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 Postal Address of Person Certifying		
REINO. L. VIITALA - ADDRESS AS ABOVE.		
GEOLOGY TECHNOLOGIST.	Date Certified Aug 15, 1982.	Certified by (Signature) Reino. L. Viitala

## The Mining Act

Type of Survey(s) GEOLOGICAL (SAMPLING PASSAYS)		Township or Area RATHBUN TWP.	
Claim Holder(s) REIND. L. VITALA.		Prospector's Licence No. C-32251.	
Address CHAIN LAKE RD. BOX-3. RR#1. KAHNAPITAE, Vt., PM-3 CO.			
Survey Company -SELF.		Date of Survey (from & to) 6 Day   7 Mo.   52 Yr.   7 Day   7 Mo.   52 Yr.	
Name and Address of Author (of Geo-Technical report) REIND. L. VITALA - AS ABOVE.		Total Miles of line Cut —	

Credits Requested per Each Claim in Columns at right

**Mining Claims Traversed (List in numerical sequence)**

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

[illegible]

Total number of mining  
claims covered by this  
report of work.

2

Expenditures (excludes power stripping)

Type of Work Performed			
MAPPING, SAMPLING, ASSAYS			
Performed on Claim(s)	574961.		
	574962.		
Calculation of Expenditure Days Credits			
Total Expenditures	Total Days Credits		
\$ 1467.00	÷ 15	= 97.8	
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.			

**For Office Use Only**

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date Aug 18, 1982	Recorded Holder or Agent (Signature) Kerr. X. V. Vitale
----------------------	--

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 Postal Address of Person Certifying



# Assessment Work Breakdown

Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
[ ]	X 7	= [ ]	+	[ ]	= [ ]	+
						= [ ]
						Days per Claim

Type of Survey						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
[ ]	X 7	= [ ]	+	[ ]	= [ ]	+
						= [ ]
						Days per Claim

Type of Survey						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
[ ]	X 7	= [ ]	+	[ ]	= [ ]	+
						= [ ]
						Days per Claim

Type of Survey						
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[ ]	X 7	= [ ]	+	[ ]	= [ ]	+
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Σ 9 DAYS AT 8 HR EACH = 72 HRS

AT \$15/hr = 72 x 15 = \$1080.00

PLUS ASSAYS = 387.00

\$1467.00

∴ 1 DAY CREDIT PER \$15.00 SPENT =  $\frac{1467}{15} = 97.8$  DAYS

or 48.9 DAYS  
per Claim.

1 - EXPENDITURE DAYS = 48.9 / CLAIM  
2 - MANUAL DAYS = 8.0 / CLAIM

TOTAL = 56.9 per Claim.



Ministry of  
Natural  
Resources

Geotechnical  
Report  
Approval

File 2.5043

Jan 10/83 (JAN 10/83)

Mining Lands Comments

- no cheque Receipts
(NO CHEQUE RECEIPTS)

☐ To: Geophysics

Comments

☐ Approved

☐ Wish to see again with corrections

Date

Signature

☒ To: Geology - Expenditures

Mr Kustera

Comments

☒ Approved

☐ Wish to see again with corrections

Date

Jan 28/83

Signature

Kustera

☐ To: Geochemistry

Comments

LD

☐ Approved

☐ Wish to see again with corrections

Date

Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

1982 09 30

2.5043

Mining Recorder  
Ministry of Natural Resources  
199 Larch Street  
Sudbury, Ontario  
P3E 5P9

Dear Sir:

We have received data for assaying submitted under  
Section 77/19 of the Mining Act R.S.O.1980 on  
Mining Claims S 574961 et al in the Township of  
Rathbun.

This material will be examined and assessed and a  
statement of assessment work credits will be issued.

Yours very truly

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/963-1316

J. Skura:sc

cc: Reino L. Viitala  
Wahnapitae, Ontario

**Ministry of Natural Resources**  
**TORONTO**

### LEGEND

PATENTED LAND  
PATENTED FOR SURFACE RIGHTS ONLY  
LEASE  
LICENSE OF OCCUPATION  
CROWN LAND SALES  
LOCATED LAND  
CANCELLED  
MINING RIGHTS ONLY  
SURFACE RIGHTS ONLY  
HIGHWAY & ROUTE NO.  
ROADS  
TRAILS  
RAILWAYS  
POWER LINES  
MARSH OR MUDFLATS  
MINES  
ORIGINAL SHORELINE

\* used only with summer resort locations or when pop.

TOWNSHIP OF

# RATHBUN

DISTRICT OF  
SUDBURY

SUDBURY  
MINING DIVISION

SCALE : 1 INCH = 40 CHAINS (1/2 MILE)

DR. D.T.

DATE APR / 72

PLAN NO.

M.1071

