2. 18426 Physical Assessment Work Report Mining Claim SO 1150872, South Half Lots 15 and 16, Concession XI, Monmouth Township (G-1298), Haliburton County, Southern Ontario Mining Division for the Period of April 4 to April 19, 1998



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S. Harper, Hon. B.Sc., M. Sc. Crd. Exploration Geologist Toronto, Ontario April 1998



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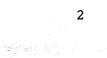
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LIST OF FIGURES

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Property Location Map Claim Location Map

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INTRODUCTION

1.1 BRIEF PHYSICAL WORK DESCRIPTION

One old trench was 'cleaned up' to permit geological examination. In addition, some work was done along strike of the vein to reveal the vein contact. This work required minor overburden stripping and bedrock trenching. Most work was done using hand equipment including picks, shovels, crowbars, winches, hammers and chisels. A Pionjar 120 rock drill/breaker ('jackhammer') was also used. All work was done under the supervision of S. Harper (author). On average 12 hours were worked per person per day.

The work done revealed the vein to consist of areas of massive, coarse grained anhedral to subhedral black to green amphibole, massive coarse grained anhedral white calcite, massive medium grained anhedral reddish apatite, and rarely pinkish subhedral to euhedral microcline that ranged up to a few inches in size. The country rock consisted of grey colored massive, banded quartzite. The northern vein contact was discovered and exposed. The vein dipped vertical in the exposed area. The strike of the vein was not measured at this time. The vein is at least 10 feet wide, however, the southern vein contact was not found so the vein could be substantially wider.

1.2 LOCATION

The property consists of a single mining claim of two units having mining claim number SO 1150872. The mining claim is located on Lot 15 South half, and Lot 16 South half, Concession XI, Monmouth Township (G-1298), Haliburton County, Southern Ontario Mining Division at Latitude 44·58' 40" N and Longitude 78·17' 23" W, UTM 713008mE, 4983003mN, Zone 17, NTS 31 D/16 (Gooderham). Figure 1 shows the mining claim location within southern Ontario.

1.3 ACCESS

There is good road access to the mining claim. To reach the property travel north on Highway 121 from the village of Tory Hill for 0.2 km to Gibson Road. Turn left onto Gibson Road and continue for 0.95 km (Sabina, 1986). At this point the road deteriorates and is only suitable for vehicles with high clearance. Continue for another 460 metres. Most of the showings are located to the south (left) of the road.

1.4 PROPERTY

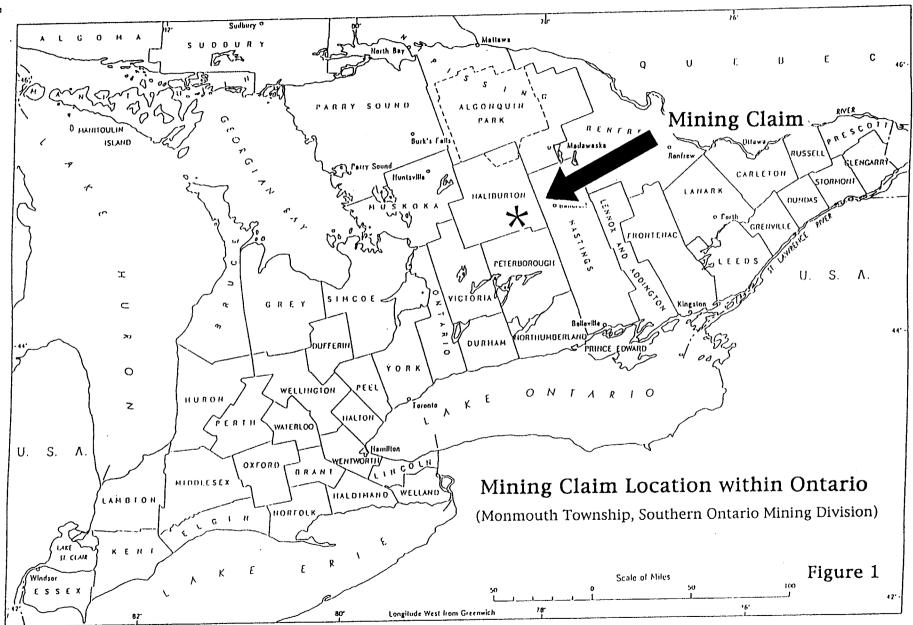
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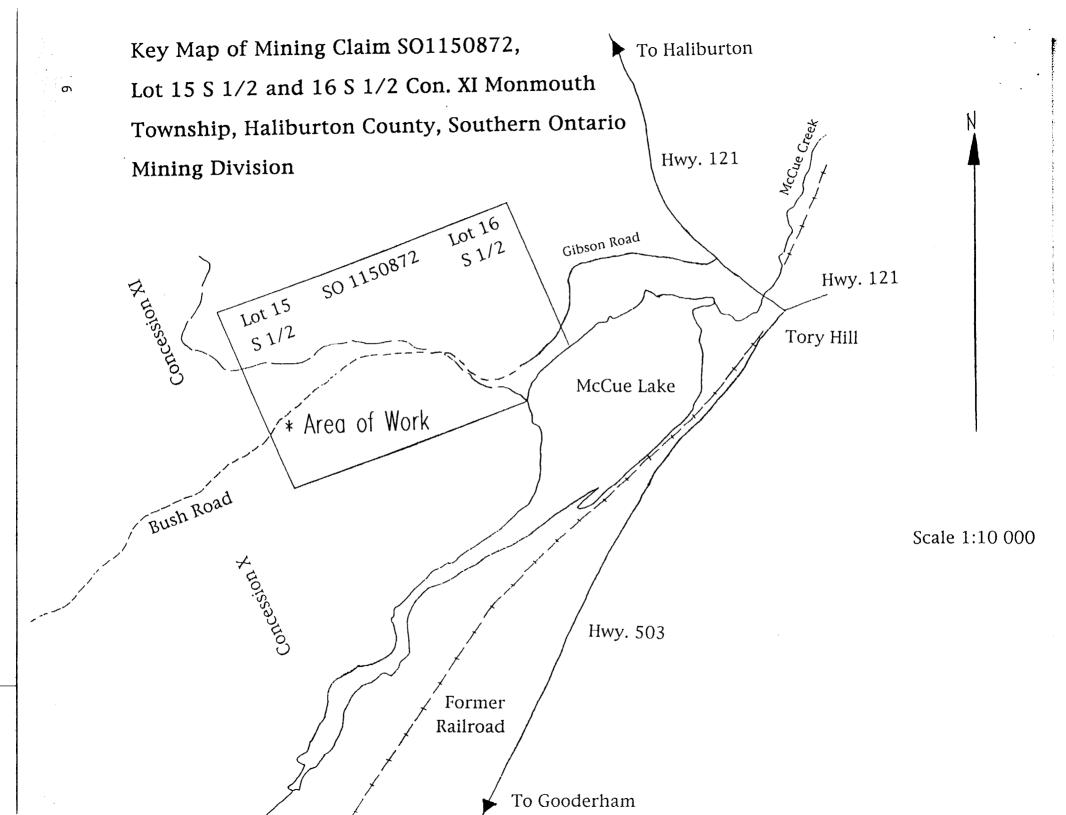
The property consists of a single mining claim SO 1150872 that comprises two mining units (500mN-S X 800m E-W). The mining claim is located on the south halves of Lots 15 and 16, Concession XI, Monmouth Township (G-1298), Haliburton County, Southern Ontario Mining Division (Figure 2). The mining claim was staked by S. Harper and O. Bolton, both of Toronto, on September 2, 1992 and recorded on October 2, 1992 for Sharpmin Developments Incorporated, 153 St. George Street, Suite 407, Toronto, Ontario M5R 2L9. The mining rights are still held by Sharpmin Developments Incorporated. The surface rights are privately owned. Surface rights ownership was

The surface rights are privately owned. Surface rights ownership was investigated in the fall of 1992 at which time it was held by E. Bradamore, Box 603, Minden, Ontario, KOM 2KO; R. and W. Andrew, 24 Strathy Road, Ajax, Ontario, L1S 2V1; D. Cowle, 309 Elgin Street East, Oshawa, Ontario, L1G 1T5; and P. Madill, Box 136, Londesborough, Ontario, NOM 2H0. The surface rights owners were advised of intention to perform assessment work in the fall of 1992 as required by the Ontario Mining Act.

During claim staking it was found that the southern boundary of Lots 15 and 16 had been recently surveyed.



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1.5 PHYSIOGRAPHY, VEGETATION AND WILDLIFE

The property consists of land with moderate relief. Low areas are swampy and the property borders McCue Lake at the southeastern corner. An intermittent stream crosses the property from the northwest to the southeast corner exiting into McCue Lake. The lowest elevation on the property is along the southeastern corner (approximately 370 metres). The highest elevation is along the northern boundary of the property where an east-northeast trending ridge occurs. This ridge has an elevation of appoximately 440 metres.

The property is tree covered. The trees are primarily hardwoods consisting mostly of small to medium sized maple. Spruce and cedar occupy low consisting mostly of small to medium sized maple. Spruce and cedar occupy low areas. The spruce are commonly 6 to 10 feet high and very abundant, obscuring the geology, pits, trenches and the adit. Black bear, deer, ruffed grouse and blue jays have been encountered on the property by Sharpmin Developments Incorporated personnel in the past. During this work nothing was observed but ruffed grouse were heard drumming.

The climate is typical of south-central Ontario with warm relatively dry summers and mild accumulations of snow in the winters.

1.6 HISTORY AND PREVIOUS WORK

The mining claim contains several pits and trenches. These were excavated around the turn of the century during exploration for phospate. In the southwest corner of the property there are several pits, trenches and an adit. The adit has been driven 30 feet north into the side of a hill

(Satterly, 1943, p. 20; Armstrong and Gittins, 1968). In 1976 Imperial Oil Limited conducted a geological and radiometric

survey for uranium which included Lot 15, Concession XI (Lowe, 1977). Sharpmin Developments Incorporated performed minor assessment work between July 28 and August 8, 1993. This work consisted of minor excavation and geological sampling. They also prepared a geological report for part of the property in August 1994.

No additional assessment files were found on record at the Ministry of Northern Development and Mines, Mines Library, 2nd floor, MacDonald Block, Toronto.

There has been considerable <u>unrecorded</u> overburden stripping and bedrock trenching (some trenches of considerable size) done by mineral collectors in recent years. Work done by mineral collectors has included the use of portable drills and explosives.

In addition to the above work, there are several references to the property in published literature which are summarized as follows:

Satterly (1943) describes previous work performed on the property. Hewitt (1967) summerizes Satterly (1943). Armstrong and Gittins (1968) reprint Satterly's description.

Hewitt (1969) gives directions to the showing and shows its location on a small, simplified regional geology map. Bancroft Chamber of Commerce (1982) gives directions and lists minerals.

Sabina (1986) gives directions to the site describes the workings and associated minerals.

Trueman (1993) summaries the Bancroft Chamber of Commerce (1982) and Sabina (1986).

GEOLOGY AND OBSERVATIONS

2.1 REGIONAL GEOLOGY

The mining claim is located in the Bancroft Terrane of the Central Metasedimentary Belt of the Grenville Structural Province. Most of the Bancroft Terrane has been subjected to middle to upper amphibolite facies metamorphism (Easton, 1992).

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2.2 LOCAL GEOLOGY

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Rock exposure on the property is poor, with few outcrops which are of small size. In addition, rock exposure at the showings is poor as the showings are overgrown and any exposed rock is generally heavily stained or moss-, lichen-, or soil-covered.

Country rocks exposed at surface on the property consist of quartzite, marble, syenite (possibly a feldspar rich metasedimentary rock or a fenitized rock rather than a true igneous syenite), amphibolite and feldspathic gneiss.

Several coarsely crystalline calcite veins containing large anhedral to euhedral crystals of biotite, hornblende, microcline, apatite and minor quartz occur on the property. In addition to these minerals, Sabina (1986) reports thorite, thorianite, uranophane, serpentine, pyroxene and chondrodite for the property. These minerals weren't found during the present survey and Sabina does not describe their occurrence so it is unknown if these minerals occur in the calcite veins. The calcite veins strike northwest and dip steeply, crosscutting the foliation of the country rocks. Most of the veins are narrow in width but some are several feet in width.

CONCLUSIONS AND RECOMMENDATIONS

The trenches, pits and adit on the property are overgrown and obscured by staining, moss and rock and soil debris. They need to be cleaned, brush in the vicinity of the showings needs to be cut, overburden stripped, and bedrock trenching done to allow examination of the mineralization. The work done during this exploration was done on one trench. It revealed additonal information about part of one vein. It is recommended that detailed geological mapping and lithogeochemical sampling be done on the exposed portion of the vein. As well, additional clean up work' needs to be done on this vein and other veins.

REFERENCES

- Armstrong, H.S. and J. Gittins (1968) Geology of Glamorgan and Monmouth Townships, Haliburton County. Ontario Department of Mines, Open File Report No. 5021, p. 111-112
- Bancroft Chamber of Commerce (1982) Bancroft's Guide to Rockhounding, p. 12.
- Easton, R. M. (1992) The Grenville Province and the Proterozoic History of Central and Southern Ontario; in Geology of Ontario. Ontario Geological Survey, Special Volume 4, part 2, p. 714-904.
- Hewitt, D. F. (1969) Geology and Scenery, Peterborough, Bancroft and Madoc Area; Ontario Deptment of Mines, Geology Guide Book 3, p. 56, 61.

(1967) Phosphate in Canada. Ontario Department of Mines, Mineral Resources Circular No. 6, p. 42.

- Lowe, B. (1977) Geological and Radiometric Surveys of Claims E.O. 460880 to 460883 inclusive E.O. 463209 to 463216 inclusive, Monmouth Township, Ontario. Imperial Oil Limited, Toronto, Ontario
- Sabina, A. P. (1986) Rocks and Minerals for the Collector: Bancroft -Parry Sound area and Southern Ontario. Geological Survey of Canada, Miscellaneous Report 39, p. 57-59.
- Satterly, J. (1943) Mineral Occurences in the Haliburton Area. Ontario Department of Mines, Annual Report Volume LII, Part II, p. 20. Trueman, B., (1993) A Rockhound's Paradise 1; Bancroft and Region.
- WWEC, North York, Ontario.

STATEMENT OF COST

Labour	
S. Harper, Hon. B. Sc., M. Sc. Cand., geologist, 5.5 da	ys @ \$150/day
	\$825
R. Franklin, assistant, 5.5 days @ \$150/day	825
M. Harper, assistant, 1 day @ \$150/day K. Fyffe, asssistant, 1 day @ \$150/day	150
R. FYILE, assistant, i day @ \$150/day	150
Accomodation and Food	
5.5 days @ \$40/day/person	520
Travel	
vehicle and fuel, 5.5 days @\$60/day	330
Pionjar 120, drill steels, wedges, fuel, 3 days@\$150/da	
ATV and trailer 2 days @\$300/day	600
additional vehicle, 1 day@\$60/day	60
Report Preparation	400
0.5 days @\$200/day	100
Total Cost of Exploration and Travel	\$4010
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DATES OF EXPLORATION ACTIVITY

DATE PERSO	
April 4, 1998 Half Day	S. Harper, R. Franklin
April 5, 1998	S. Harper, R. Franklin
April 6, 1998	S. Harper, R. Franklin
April 7, 1998	S. Harper, R. Franklin
April 8, 1998 Half Day	S. Harper, R. Franklin
April 11, 1998 Half Day	S. Harper, R. Franklin
April 12, 1998	S. Harper, R. Franklin, M. Harper, K. Fyffe

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SHARPMIN DEVELOPMENTS INCORPORATED

Suite 407, 153 St. George Street, Toronto, Ontario, CANADA MSR 2L9 Telephone (416) 712-2738, FAX (416) 968-0094 (9AM to SPM ONLY)

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NUMBER OF PAGES, INCLUDING THIS PAGE: 4, IN DUPLICATE

ATTENTION: Geoscience Assessment Office

933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5 Telephone 888-415-9846, or 705-670-5858 (Lucille Jerome) Fax 705-670-5881

REGARDING: TRANSACTION NUMBER W9890.00015, SUBMISSION NUMBER 2.18426 August 27, 1998

Dear Sir/Madam,

1) Please find following maps for the above transaction number.

2) The work consisting of cleaning part of an old trench, and work along the strike of the vein to reveal the vein contact (minor stripping and trenching) WAS DONE OVER A DISTANCE OF APPROXIMATELY 30 FEET (9.1 METRES) BY 10 FEET (3.0 METRES).

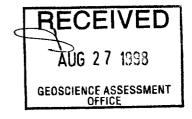
3) The nature of the rocks and mineralization exposed was in the submitted report, "The work done revealed the vein to consist of areas of massive, coarse grained anhedral to subhedral black to green amphibole, massive coarse grained anhedral white calcite, massive medium grained anhedral reddish apatite, and rarely pinkish subhedral to euhedral microcline that ranged up to a few inches in size. The country rock consisted of grey colored massive, banded quartzite. The northern vein contact was discovered and exposed. The vein dipped vertical in the exposed area. The strike of the vein was not measured at this time. The vein is at least 10 feet wide, however, the southern vein contact was not found so the vein could be substantially wider."

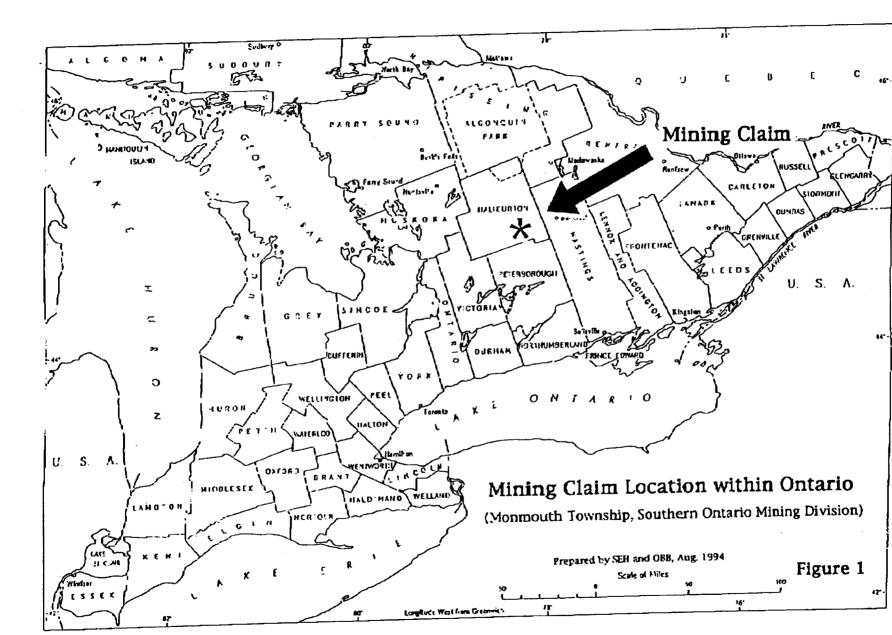
4) No sampling was done at the time. Sampling and additional work may be done in the future.

5) A graphic and/or a bar scale are on the following maps. The north direction are on the maps, with the sketch map of Area of Work having a Magnetic North.

Respectfully,

Scott Harper





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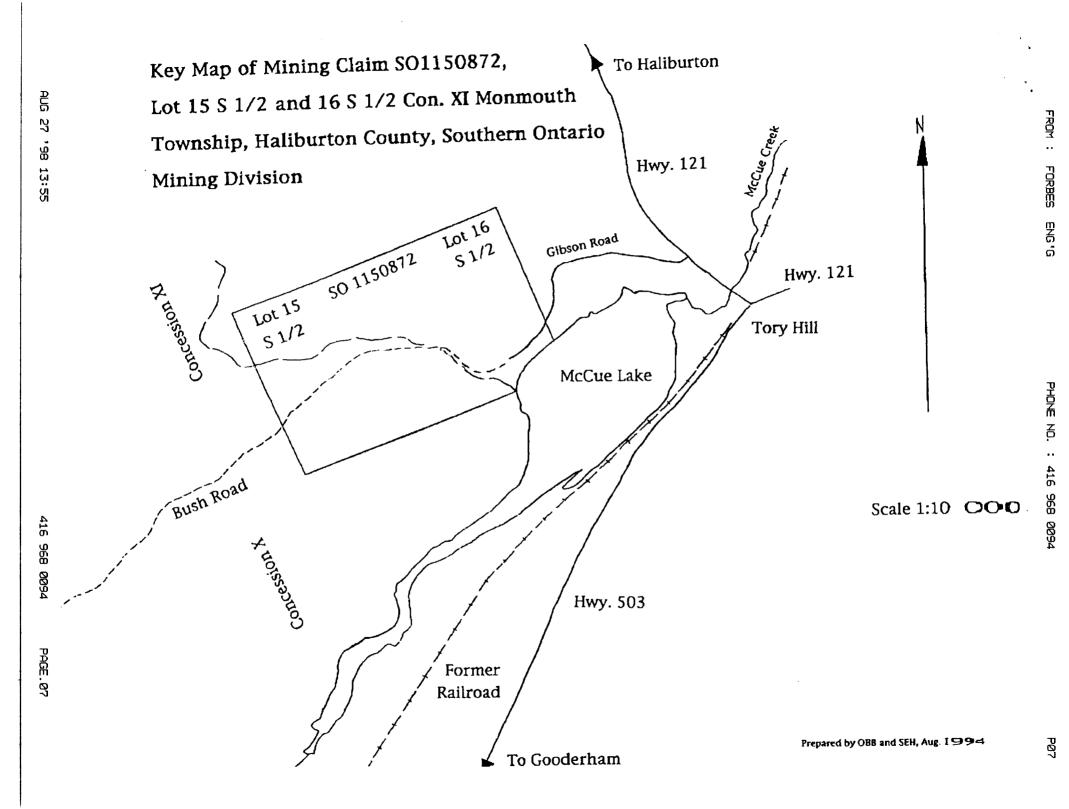
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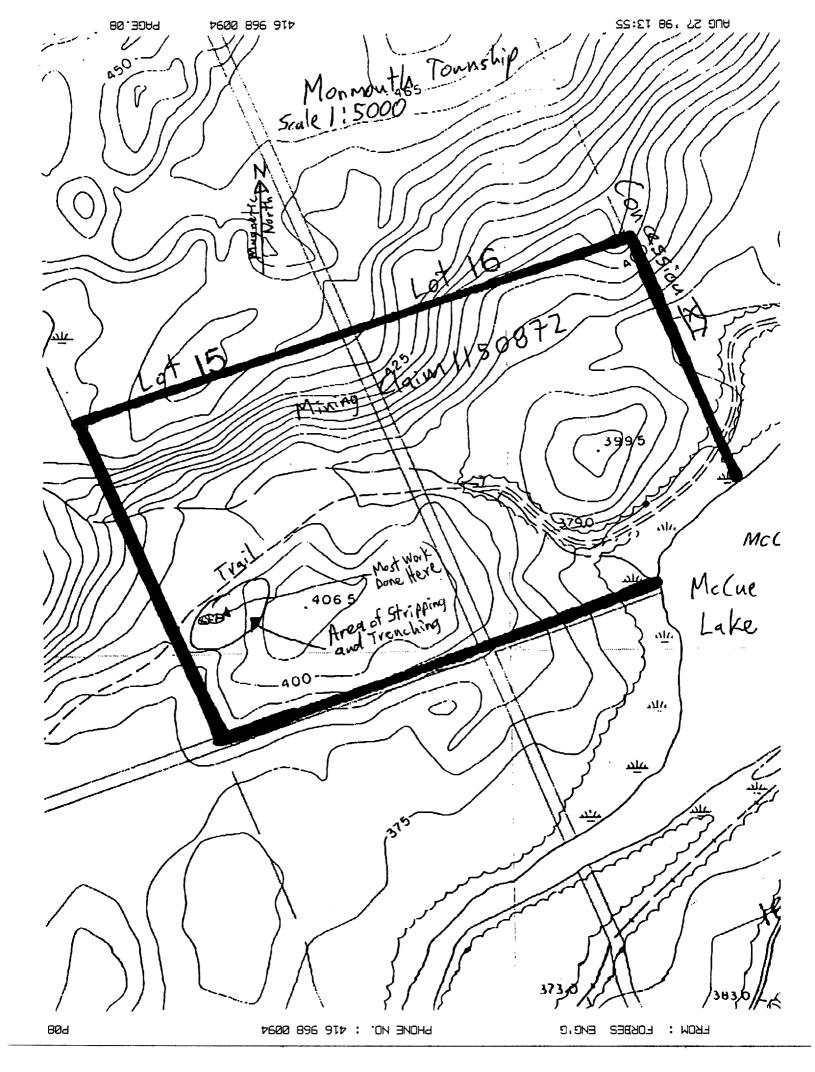
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D16NW2001 2.18426 MONMO		s, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.
	med on Crown Lands before recording a	claim, use form 0240.
- Please type or	print in Ink.	2.18426
. Recorded holder(s) (Atta	ach a list if necessary)	
ame Sharpmin Develo	opments Incorporated	Client Number 294139
407-153 St. Ger	opments Incorporated orge St. Toronto, Ontan'o MSR	219 Telephone Number 416 - 712 - 2738
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5 .	vork to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining
land	where work was performed, at the time work was performed. A map showing the contiguous link must accompany this
form	

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work v minin colum	g Claim Number, CFT so dene en other eligible g Lind, show in this n the location number ind on the claim map.	Number of Claim Units. For other mining lend, list hectores.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to ather mining claims.	Bank, Value of work to be distributed at a future date
9	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,626
2	1234667	12	0	\$24,000	0	0
2	1234568	2	\$ 8,892	\$ 4,000	0	\$4,692
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	Column Totais		1			
_	5. Harper		. do l	hereby certify that	the above work credit	ts are eligible unde

subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim

where the work was done.

2.18420

A And Signature of Rec rized in Writing 98 10r27 and

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (\checkmark) in the boxes below to show how you wish to prioritize the deletion of credits:

- □ 1. Credits are to be out back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- D 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- □ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- I 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office U	ise Only	· · · · ·	
Received Stamp		Deemed Approved Date	Date Notification Sent
		Oete Approved	Total Value of Credit Approved
		Approved for Recording by Mining Recorder (Signature)	
•••••	L L L	L	· · · · · · · · · · · · · · · · · · ·
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	OFOSCIENCE ASSESSMENT		
	GEOSCIENCE ASSESSMENT OFFICE		

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Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use) \mathcal{N} 9890. 00015

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines and Floor, 93 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Labour	4people (13daystotal)	\$150/day	1950
Pioniar 120 duill	3 days	1 solda y	450
ATV + trailer	Zdays@\$300/day	300/day	600
•	1 1		
Associated Costs (e.g. sup	plies, mobilization and demobilization).		
Report Writing O.		······································	100
rejor on y			100
		· · · · · · · · · · · · · · · · · · ·	
· Trar	nsportation Costs		
Travel /vehicle + fo	<i></i> d)		330
Additional Vehicle		\$60 (day	60
	and Lodging Costs		
Accomposition and Fe	ood		520
	· · · · · · · · · · · · · · · · · · ·		
	Total V	/alue of Assessment Work	4010

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.

2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 =	Total \$ value of worked claimed.
IOTAL VALUE OF ASSESSMENT WORK	X U.5U =	I otal \$ value of worked claimed.

,

Note:

- Work older than 5 years is not eligible for credit.

- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, <u>5. Harf</u> (please print full name)			n are as accurate as may reasonably
be determined and the costs w	vere incurred while conducting as	ssessment work on the	e lands indicated on the accompanying
Declaration of Work form as $Agent$ (recorded holder, agent, or state company position with signing authority)		I am authorized to make this certification.	
0212 (03/97)	RECEIVED	Signature I H-enfel	Date Ap. 21/98

APR 2 4 1993 GEOSCIENCE ASSESSMENT Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

August 28, 1998

S. Harper SHARPMIN DEVELOPMENTS INCORPORATED 407-153 ST. GEORGE STREET TORONTO, ONTARIO M5R 2L9



Geoscience Assessment Of 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9846 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18426

 Subject: Transaction Number(s):
 W9890.00015
 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

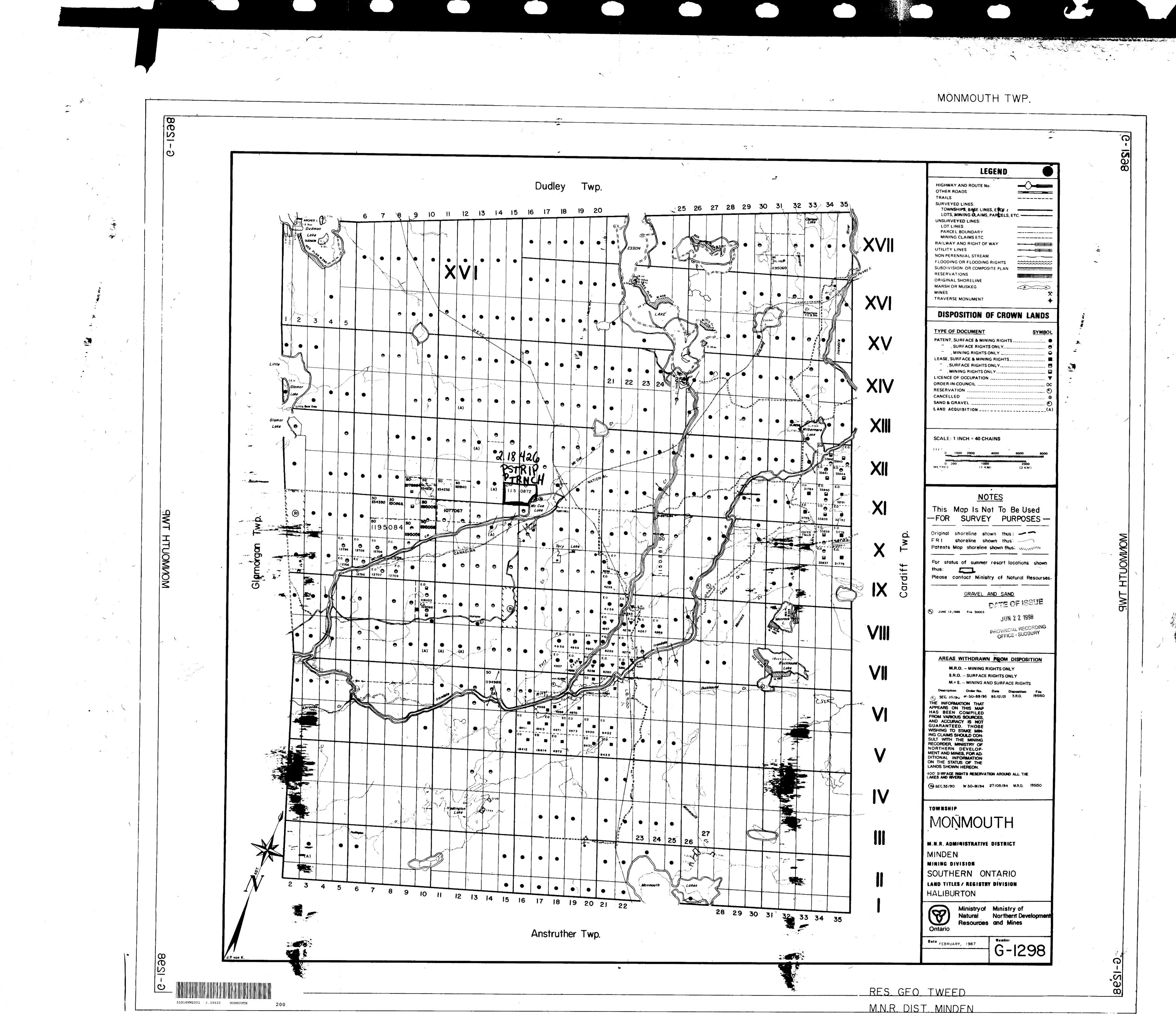
- 120

ORIGINAL SIGNED BY Blair Kite Supervisor, Geoscience Assessment Office Mining Lands Section

Correspondence ID: 12729 Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18426					
Date Correspondence Sent: August 28, 1998			Assessor:Lucille Jerom	10	
Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date	
W9890.00015	1150872	MONMOUTH	Approval After Notice	August 28, 1998	
Section: 10 Physical PTRN(10 Physical PSTRI					
	The map provided serves well as a location map, however, all future physical work submissions must contain the following information on a detail map in order to receive assessment work credit:				
 i) the dimension of workings, trenches and stripping, ii) the nature of the rocks and mineralization exposed, 					
Correspondence	to:		Recorded Holder(s) a	and/or Agent(s):	
Resident Geologist		S. Harper			
Tweed, ON		SHARPMIN DEVELOF TORONTO, ONTARIO	PMENTS INCORPORATED		
Assessment Files I	Library				
Sudbury, ON				•	



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