

31F04NW0001 2.15999 MONTEAGLE

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MAY 12 1995
MINING LANDS BRANCH

2.15999

GEOLOGICAL REPORT

on

**Mining Claim SO 1150873, Lot 24 East half, Concession VI, Monteagle Township,
Southern Ontario Mining Division**

for

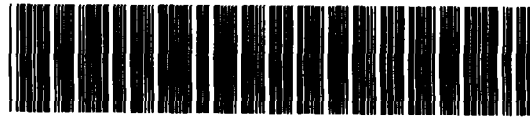
**Sharpmin Developments Incorporated
Suite 407, 153 St. George Street, Toronto, Ontario M5R 2L9**

Report Authors:

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Scott E. Harper, Hon. B. Sc., M. Sc. Cand.,
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3 Jean Street, Toronto, Ontario M4W 3A6

August 1994



31F04NW0001 2.15998 MONTEAGLE

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SUMMARY

The following report describes the geology and mineralogy of two pegmatite dikes located in Monteagle Township. The report is based on the observations of three people who examined the two pegmatites during a one day visit. Past observations from published literature are compiled and added to the report for a complete description of the geology and mineralogy.

INTRODUCTION

1.1 LOCATION

The property consists of a single unit mining claim having mining claim number SO 1150873. The mining claim is located on Lot 24, East half, Concession VI, Monteagle Township (G-3052), Hastings County, Southern Ontario Mining Division at Latitude 45° 09' 06" N and Longitude 77° 50' 29" W, UTM 276650mE, 5003500mN, Zone 18, NTS 31 F/4 (Bancroft). Figures 1 and 2 show the mining claim location within southern Ontario.

1.2 ACCESS

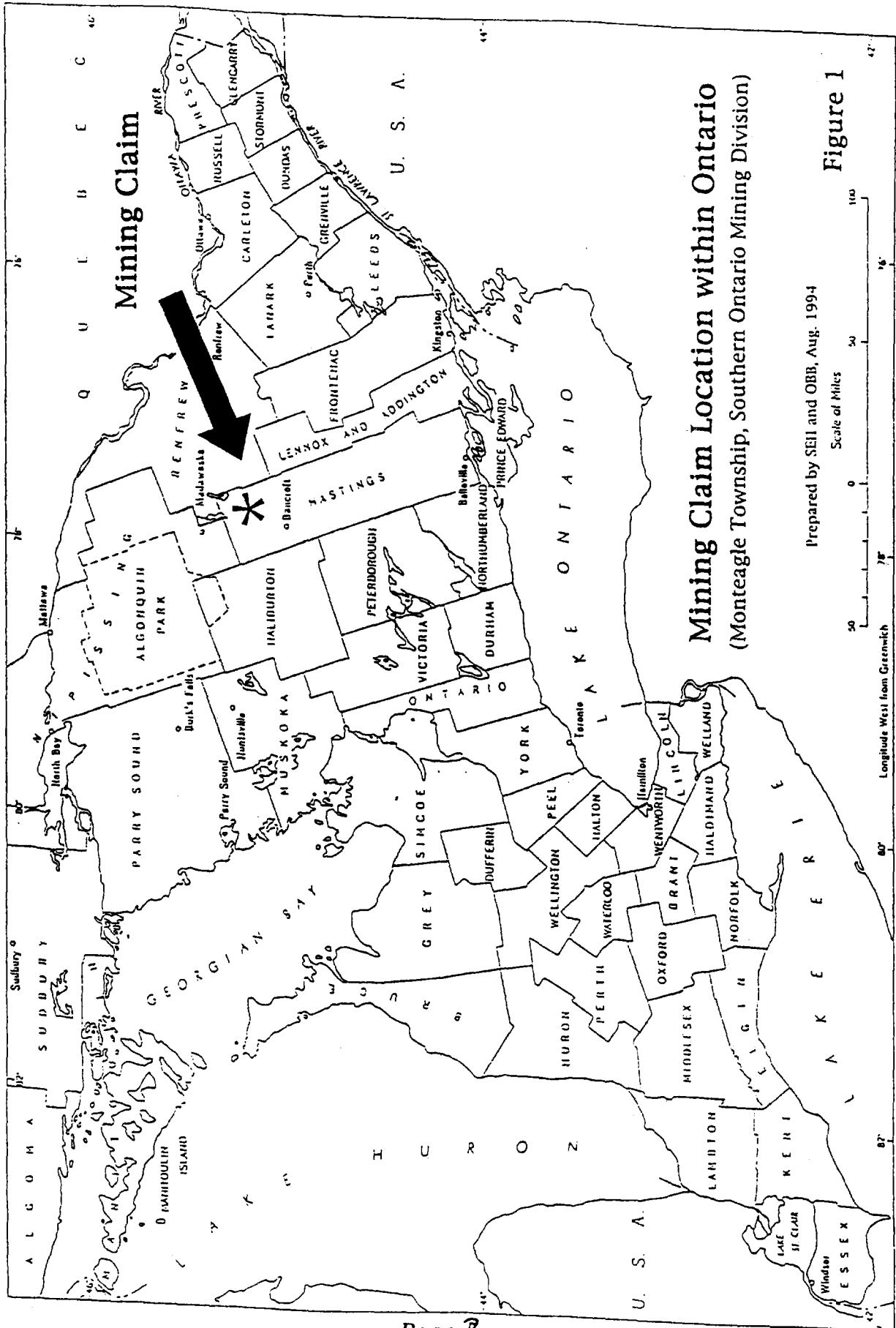
There is good road access to the mining claim. The property can be reached from the intersection of Highways 28 and 62 in the village of Bancroft by travelling north on Highway 62 for 11.6 km to Hybla road. Turn right onto Hybla road and continue for 2.9 km. Turn right onto the Kuno road. Drive 0.15 km on the Kuno road to the former CNR railroad crossing. Park here, turn right and walk south down the former railroad track for 580 m. Then follow the footpath leading westward for 120 m to the North Showing. The South Showing is located 120 m south of the North Showing. (Sabina, 1986; Storey and Vos, 1981; Hewitt, 1969, 1955; Bancroft Chamber of Commerce, 1982; Trueman, 1993)

Mining claim posts number four and one are located on the right side of the Kuno road between its intersections with the Hybla road and the former CNR railroad crossing. During claim staking, an iron survey bar was found in the vicinity of mining claim post number one. During field work conducted for this report, a search was made for the iron bar but it was not found due to it being overgrown.

The former CNR railroad line lies within a few hundred metres of the eastern boundary of the mining claim. The Kuno road lies along the northern boundary of the mining claim. Both the former railroad line and the Kuno road can be used to provide access to the mining claim (Figure 2). A short trail goes from the former CNR railroad line to the North Showing.

1.3 PROPERTY

The property consists of single unit mining claim SO 1150873 (1000mN-S X 200m E-W). The mining claim is located on Lot 24, East half, Concession VI, Monteagle Township (G-3052), Hastings County, Southern Ontario Mining Division (Figure 2). The mining claim was staked by S. Harper and O. Bolton, both of Toronto, on



Mining Claim Location within Ontario
 (Monteagle Township, Southern Ontario Mining Division)

Prepared by SEIL and OBB, Aug. 1994

Figure 1

**Key Map of Mining Claim SO1150873,
Lot 24 E 1/2 Con. VI Monteagle Township,
Hastings County, Southern Ontario Mining**

Division

Scale 1:10 000

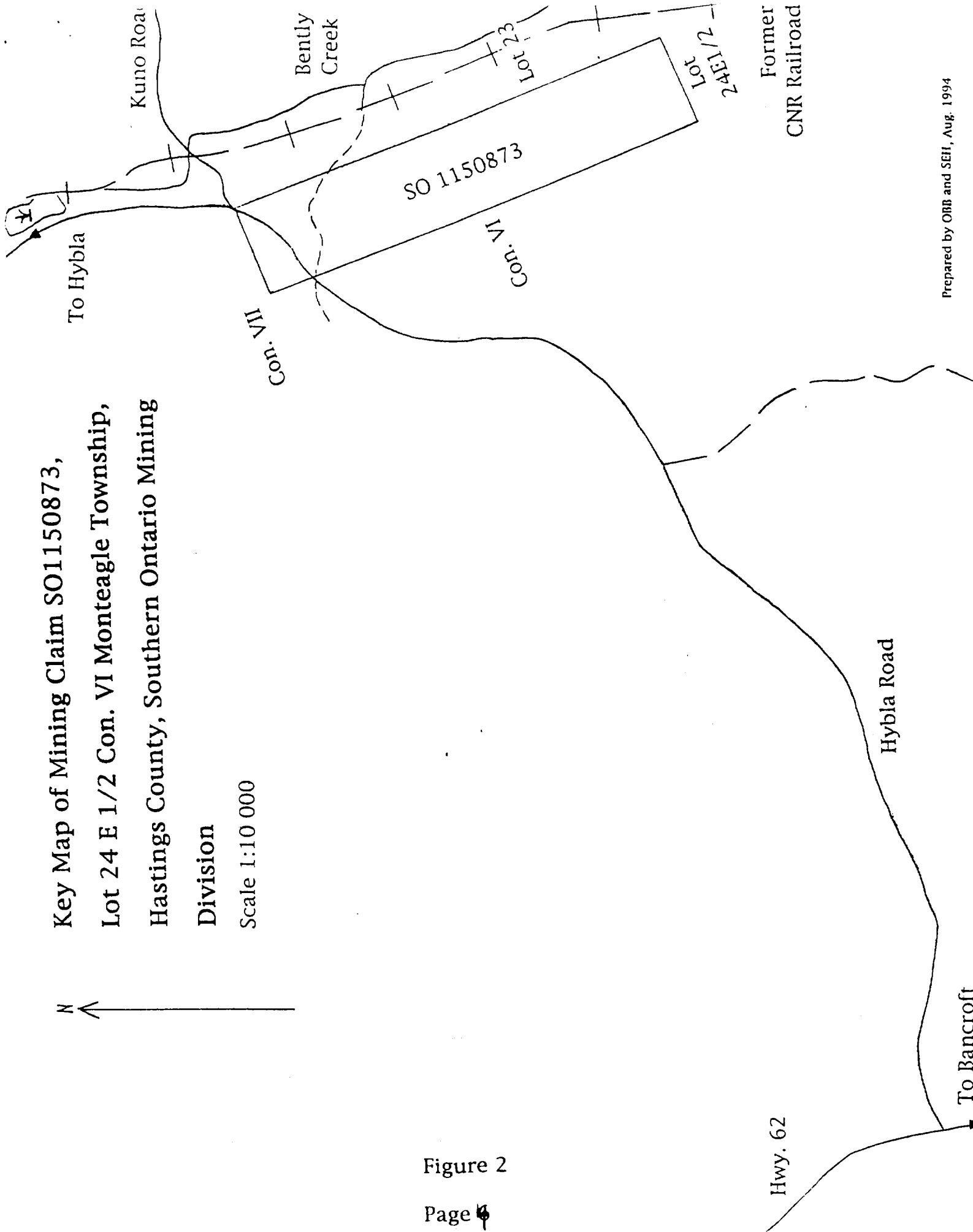
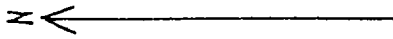


Figure 2

May 4, 1993 and recorded on May 6, 1993 for Sharpmin Developments Incorporated, 153 St. George Street, Suite 407 Toronto, Ontario M5R 2L9, Telephone/FAX (416) 961-5041. The surface rights are privately owned by Michael and Judith Eden, R.R.#5 Bancroft, Ontario, K0L 1C0.

During claim staking it was found that the eastern boundary of Lot 24 had been recently surveyed. 'Iron bars' (steel survey stakes) are located along the surveyed line at the number one mining claim post and 550m and 1000m south of it.

1.4 PHYSIOGRAPHY, VEGETATION AND WILDLIFE

Except in the vicinity of the showings, the property consists of land with moderate relief. Low areas are somewhat wet, but no large swamps occur on the property. The lowest elevation is along the eastern boundary (approximately 1250'). The elevation along the western boundary is approximately 1400'. A north-south trending ridge runs along much of the length of the mining claim near the eastern boundary. The two showings and associated workings have been placed into the east side of this ridge. Bentley creek, a small year-round creek lies to the east of the former CNR railroad line.

The property is tree covered, primarily with young hardwoods up to 12 inches in diameter. The hardwoods consist of small maple and minor birch. Minor poplar was also observed on the property. Spruce and cedar occupy low areas. Selective logging has occurred on the property in the past 5 to 10 years for hardwoods.

No indigenous wildlife was seen during geological mapping.

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

1.5 HISTORY AND PREVIOUS WORK

The mining claim contains two mineralized showings which have been the sites of previous exploration. Minor production occurred at one of these showings. These showings are herein referred to as the North and South Showings. The showings consist of two subparallel granitic pegmatite dikes which are exposed on the east side of a north-south trending ridge.

The North Showing was explored for a short time in 1926 by Mr. P. J. Dwyer. Work resulted in a small open-cut being made into the east side of a ridge along the granitic pegmatite. The open-cut is 15-20 feet wide by 60 feet long and 50 feet high at the face. No shipments are reported to have been made (Spence, 1932; Hewitt, 1955).

The South Showing was first worked by Mr. Dillon and Mr. Mills around 1920 with a production of about 150 tons, and later, in 1926, by Mr. P. J. Dwyer (Spence, 1932).

Further literary references to the showings are summarized as follows: Thomson (1943) quotes the descriptions of the two showings given by Spence (1932). Hewitt (1952) summarizes Thomson (1943) in a table. In this table, Hewitt refers to the showings as the McCormick prospect and mine. This is the first published report to give a name to the showings. Subsequently, Monteagle and Carlow townships were mapped by Hewitt. In the report accompanying the geological map, the showings are said to occur

on the farm of R. McCormack (Hewitt, 1955). It is interesting to note that the spelling of the name given to the showings by Hewitt are different in the two reports (McCormick versus McCormack). Hewitt (1969) gives directions to the showings and shows the location of the showing on a regional geology map included as a color figure within the report. Ferguson (1971) includes the showing(s?) in a table which list minor occurrences of columbium (niobium) in Ontario. In the table he mentions that pyrochlore (ellsworthite), allanite, magnetite and titanite occur in a dike 15 to 20 feet wide. Peterson (1978) gives directions to the property and lists common minerals that can be found. Storey and Vos (1981) list the South Showing in a table documenting production from pegmatites in the Pembroke-Renfrew area. In this table the showing is listed as the S. McCormack mine (versus R. McCormack in Hewitt, 1955). Storey and Vos also list the property in another table. In addition, they briefly describe and give a sketch map of the property. Masson and Gordon (1981) include the showing(s?) in a table of minor radioactive occurrences. Bancroft Chamber of Commerce (1982) gave directions to the North Showing and list its common minerals. Sabina (1986) gives a brief description of the mineralogy, geology and history of the property. Goad (1990) documents the property and gives two sketch maps of the two showings. In addition, Goad lists the analyses of 3 samples of k-spar from the north showing and 2 samples of k-spar from the south showing. Trueman (1993) summarizes Bancroft (1982) and Sabina (1986) and incorrectly reports that a "large cavern" exists on the property.

Other than assessment work conducted by Sharpmin Developments Incorporated, no assessment files were found on record at the Ministry of Northern Development and Mines, Mines Library, 2nd floor, MacDonald Block, Toronto. At this library, the showing(s) are listed in the Mineral Deposit Inventory records (MDI # SO0173).

Sharpmin Developments Incorporated performed minor assessment work between July 28 and August 23, 1993. This work consisted of minor excavation and geological sampling in the rock dump at the North Showing. Only partially included in the recorded assessment work was rock dump examinations for Sharpmin Developments Incorporated by S. Harper, M. Harper, O. Bolton, R. J. Warren, J. Warren, J. Harper, and M. Crooke. These examinations and property visits were done during the summer and fall of 1993.

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). The two granitic pegmatites occurring on the property (North and Show Showings) occur within a pegmatite province located southeast of the village of Hybla (Hewitt, 1952).

2.2 LOCAL GEOLOGY

a) GENERAL

Rock exposure on the property is poor, with few outcrops 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 covered. The rock dumps at the North Showing have recently been thoroughly worked by mineral collectors. They have removed almost all minerals and rocks unique to the showing and even much of the commoner minerals and rocks.

The country rocks found on the property consist of paragneiss, hybrid granite gneiss and minor marble. Two types of paragneiss occur: amphibolite and biotite schist (Storey and Vos, 1981; Masson and Gordon, 1981). Paragneiss and hybrid granite gneiss occur at the North Showing. Paragneiss and minor intercalated marble occur at the South Showing. Goad (1990) reported a small aplite dike at the North Showing.

The North and South Showings each contain a granitic pegmatite dike. The two pegmatite dikes are about 3m in width. At the pegmatite dikes the predominant feldspar is microcline. In addition there is a small amount of albite (peristerite) in both dikes. Amazonite is reported to occur in the north dike (Storey and Vos, 1981). The feldspar is less than 0.3m in size. Minor amphibole ('hornblende'), biotite, pyrite occur at both dikes as accessory minerals.

The north pegmatite dike is reported to contain radioactive minerals, magnetite and possibly chalcopyrite ("there is a narrow, 20 to 30 cm quartz vein in the host gneiss along the south contact of the north dike which appears to contain chalcopyrite"; Storey and Vos, 1981).

The pegmatite dikes are zoned with border zones consisting of intergrown quartz and feldspar, intermediate zones of microcline and albite in a quartz-feldspar mixture and small cores of discontinuous quartz bodies. The quartz cores are milky white to light grey in color. The grey quartz is particularly evident in the north dike. The quartz core comprises approximately 10 % of the pegmatites.

b) NORTH SHOWING

(see the two maps in the back pocket)

The North Showing consists of an open cut placed into a granitic pegmatite dike. It is located on the east side of a north-south trending ridge, 400 feet west of the former CNR railway, 1,600 feet south of the concession road-railroad crossing.

The open cut is 15-20 feet wide, 60 feet long and has 50 feet high face at the southwest end. The pegmatite dike is approximately 10 feet wide, strikes northeast at 40° and dips 60° northwest. The dip of the dike flattens upwards to 50°.

The pegmatite dike consists of medium to coarse-grained pink microcline, graphic granite, plagioclase, and of quartz. The graphic granite occurs near the walls with coarser 1 to 2 foot crystals of microcline and quartz in the centre of the dike. Some of the feldspar is of the peristerite variety. The examined peristerite was white or buff (tan) in body color and displays a blue opalescence (iridescence or play of color). Amazonite is reported (Spence, 1932). Only one small piece of amazonite was found. This was found in the dump and not *in situ*. It was very pale green in color. Biotite, hornblende, magnetite, allanite, titanite, euxenite(Spence), and ellsworthite(Hewitt) are also reported

(Spence, 1932; Hewitt, 1955). Biotite schist is abundant in the dump. Quartz is abundant in the dump. The quartz is massive and milky white, grey or smoky in color.

Hewitt (1955) remarks that a small pit exposing a pink granite pegmatite in a field on lot 25, concession VI, 1/4 mile southwest of the North Showing, may be on strike extension of the North Showing pegmatite.

c) SOUTH SHOWING

This granitic pegmatite dike is located on the side of the same ridge that the north pegmatite dike occurs. The south pegmatite dike is located 400 feet south of the North Showing and is 200 feet west of the former CNR railway.

The dike has a width of 10-12 feet. The dike strikes northeast at 35-40° and dips vertical to steeply north. It consists of pink perthitic microcline, graphic granite, quartz and plagioclase. The feldspar is generally less than 1 foot in size. There is minor accessory pyrite and hornblende.

The pegmatite dike was opened by a cut that rises in several benches up the ridge. The main cut has a length of 145 feet and a width of 10-15 feet. A small prospect pit, 12 by 6 by 6 feet deep is sunk on top of the hill 30 feet from the southwest face of the main cut.

2.3 MINERALOGY

The dumps at the North Showing have been thoroughly 'worked' in recent years by mineral collectors. Hence, little was seen in the dumps. In addition, the *in situ* pegmatite was moss covered. Even after the moss was removed from much of the pegmatite and country rocks, there was little to be observed due to heavy staining.

First, mineralogy compiled from published literature will be documented, followed by field and laboratory observations. Masson and Gordon (1981) list radioactive minerals for the property but they do not specify for which showing. They list pyrochlore and allanite (both usually radioactive) occurring with accessory sphene (titanite), biotite, hornblende and minor magnetite. Other radioactive minerals listed in the literature are euxenite (Spence, 1932), and ellsworthite (Hewitt, 1955). Ferguson (1971) reports the occurrence of pyrochlore (ellsworthite), allanite, magnetite, and titanite but does not specify which showing. Sabina (1986) lists amazonite, peristerite, graphic granite, quartz, biotite, hornblende, titanite, scapolite, magnetite, zircon, allanite, betafite, chlorite, microcline, and plagioclase. She describes the light green amazonite, pink and white peristerite and pink graphic granite as suitable for lapidary purposes.

At the north showing at the face of the open cut pink microcline occurs as anhedral crystals to 0.5 metres in diameter. One anhedral grain of possibly magnetite was observed that was 1 cm in diameter and was located near the west dike contact. Quartz was white to grey in color, anhedral in shape and occurred intergrown with feldspar grains and as a thin (30-40 cm wide) discontinuous core on the west side of the dike. Between the quartz core and the dike contact occurs abundant peristerite. The peristerite is a microcline feldspar with blue opalescent flashes on a white to buff (tan) base color. The opalescence is only observed when the peristerite is orientated properly in regards to incident light.

The peristerite occurred as cleavages up to 10 cm across. White to grey plagioclase was observed as cleavages up to 10 cm across. Minor amphibole was observed as anhedral to subhedral grains up to 2 cm in diameter. One possible grain of tourmaline was observed, with the grain being 2 cm in diameter. Minor muscovite occurred as anhedral to subhedral grains up to 0.5 cm in diameter. Minor coarse grained graphic granite occurred near the west contact of the dike. The dike has a very sharp contact with the country rock.

A scintillometer (Urtec Minispec UG 135 Differential Gamma Ray Spectrometer) was used to examine the dike for radioactivity. On TC1 the average count was 620 with a spot high of 1130 (1 metre east of the west contact, 0.5 m above the floor of the open cut). Another spot high of 1510 counts was located 1.5m above the floor of the open cut, 1 metre west of the east contact. The lowest reading obtained was 540 counts.

On the dump there is a lot of quartz, graphic granite, k-spar and biotite schist. Much of the k-spar is perthitic at the hand sample scale.

2.4 GEMOLOGY

Approximately 10-15 pounds of feldspar were collected from the face of the open cut at the North Showing. The pieces were washed and scrubbed with water. The pieces were then soaked in a strong Javex solution. The soaking in Javex helped to somewhat remove staining. Several of the pieces were then slabbed into 1/4" thick slabs using a 12" diamond slab saw.

The feldspar collected was k-spar with lots of quartz intergrowth. Some of it may be poor quality sunstone. The k-spar had a coarse perthite texture that almost appears to be veining. It is believed that this texture would be mistaken for fractures by the general public. Much of the feldspar was very fractured and stained. The fracturing and staining may lessen if fresh samples were taken.

Prior to cutting, the rocks were oriented in an attempt to maximize the opalescence of the slabs. Of the slabs cut, there were two distinct types of rock:

- 1) this type displayed a lot of parallel fractures, 'veining' comprised of brown subparallel irregular narrow lines, had a light tan-white base color and a blue-violet schiller

- 2) type displayed irregularly oriented fractures that were stained brown-black, the rock is 'dirty' looking due to staining in the fractures and weathering (?), the rocks contained medium to coarse grained anhedral, elongated white-grey quartz, the rocks had brown veining with the veining being subparallel to the quartz grains, the veining was up to a few mm wide, the rock had a whitish to pinkish tan base color with a violet blue to yellow-orange schiller

From the slabs, five slabs were chosen for cabochon cutting. The slabs were chosen so that the slight differences in the rock were represented. Five cabochons were attempted, however one of these broke along a fracture. All cabochons cut were 25 X 18 mm standard oval cabochons. All were cut and polished using standard techniques.

All of the cabochons polished fairly well. However, all cabochons displayed fractures. All of the cabochons have a light whitish-brown base color and display a blue schiller.

One of the cabochons has almost no veining and has a blue to golden schiller depending on orientation in light. It has minor perthitic lines. This cabochon is somewhat 'murky' and has several well pronounced fractures. This gemstone is very nice except for the latter two points which detract from its overall appearance.

The second cabochon has a blue to golden schiller against a whitish-brown base color. It has medium to coarse dark chocolate brown veining. However, it has several well pronounced fractures and a large 'dead-spot' where there is almost no schiller displayed.

The third cabochon didn't polish as well as the other three as it has several 'chips' or pits in its surface. It has a golden to whitish-blue schiller on a light brown base. Coarse veining is common in the stone. The cabochon has several well pronounced fractures.

The fourth cabochon is different from the other three. It was cut from a graphic granite textured slab. It is comprised of light brown feldspar (peristerite) and whitish-grey translucent quartz. It polished very well. This cabochon has fewer fractures than the others.

CONCLUSIONS AND RECOMMENDATIONS

The South Showing needs to be mapped in detail as time only permitted reconnaissance work during this examination. Both Showings need to have the overburden stripped and the bedrock trenched so that fresh rock is exposed. The brush also needs to be cut in the vicinity of both showings. The trail to the North Showing needs to be repaired. After stripping and trenching, the bedrock should be washed with a Wajax water pump. After fresh rock is exposed at both showings, the content and distribution of peristerite and amazonite needs to be determined. Fresh pieces of the rock should be cut and polished to determine how well they polish and how good they appear after polishing.

REFERENCES

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- 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.
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STATEMENT OF COST

Labour	
Oliver B. Bolton, Hon. B. Sc., geologist/geophysicist, 1 day @ \$200/day	\$200.00 -
Scott E. Harper, Hon. B. Sc., M. Sc. Cand., geologist, 1 day @ \$250/day	250.00 -
J. Harper 1 day @ \$150/day	150.00 -
Food	
1 day, 3 people, 3 meals	86.25 -
Travel	
Peterborough-property-Peterborough 224.4 km@.30/km	67.32 -
Report Preparation (incl. library search, report writing, drafting figures/map, photocopying)	
2 days @\$100/day	200.00 -
Rental of Scintollometer @ \$45/day	45.00 -
Slabbing of rocks	72.00
Cutting and Polishing of 5 Cabochons	86.25
TOTAL	1156.82

Oliver B. Bolton



Scott E. Harper

STATEMENT OF QUALIFICATIONS

I, Scott E. Harper, geologist, residing at #407-153 St. George Street, Toronto, Ontario, certify as follows concerning this report:

- 1) I am a graduate of the University of Toronto, Department of Geology, having received the degree of Honours Bachelor of Science (4 year program) in 1992.
- 2) I am a 2nd year M. Sc. student at the University of Toronto, Department of Geology, and expect to complete this degree in 1994.
- 3) I have practised my profession in mineral exploration continuously since 1986, as a prospector until 1992, and as a geologist up to the present.



Scott E. Harper, Hon. B. Sc.
August, 1994
Toronto, Ontario

STATEMENT OF QUALIFICATIONS

I, Oliver B. Bolton, geologist/geophysicist, residing at 3 Jean Street, Toronto, Ontario, certify as follows concerning this report:

- 1) I am a graduate of the University of Toronto, Departments of Physics and Geology, having received the degree of Hon. B. Sc. (4 year program) in 1994.
- 2) I am a 1st year M. Sc. student at the University of Leeds, England, Department of Earth Science, and expect to complete this degree in 1995.
- 3) I have practised my profession in mineral exploration continuously since 1991, as a prospector until 1994, and as a geologist/geophysicist up to the present.

Oliver B. Bolton, Hon. B. Sc.
August, 1994
Toronto, Ontario



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9590.00023

Ron Alan Tinsord

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, 1 Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.



31F04NW0001 2.15999 MONTEAGLE

900

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of mining assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) <i>Sharpmin Developments Incorporated</i>		Client No. <i>294139</i>
Address ^{#407} <i>Suite 153 St. George Street Toronto Ontario MSR 2L9</i>		Telephone No. <i>416 961-5041</i>
Mining Division <i>Southern Ontario</i>	Township/Area <i>Monteagle</i>	M or G Plan No. <i>G1-3052</i>
Dates Work Performed From: <i>Aug 1/94</i>		To: <i>May 5/95</i>

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<i>Geological, Mineological, Gemological</i>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED
MAY 1 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ *1157* ✓

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<i>S. Harper</i>	<i>c/o above</i>

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>May 5/95</i>	Recorded Holder or Agent (Signature) <i>Scott Harper</i>
--	-------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying <i>Scott Harper #407-153 St. George Street Toronto Ontario MSR 2L9</i>		
Telephone No. <i>416-961-5041</i>	Date <i>May 5/95</i>	Certified By (Signature) <i>Scott Harper</i>

For Office Use Only

Total Value Cr. Recorded <i>\$1,157</i>	Date Recorded <i>May 5/95</i>	Mining Recorder <i>[Signature]</i>	<div style="border: 2px solid black; padding: 5px;"> <p>SOUTHERN ONTARIO MINING DIVISION</p> <p style="text-align: center; font-weight: bold;">RECEIVED</p> <p style="text-align: center;">MAY - 5 1995</p> <p style="text-align: center;">AM PM</p> <p style="text-align: center;">7,8,9,10,11,12,1,2,3,4,5,6</p> </div>
Deemed Approval Date <i>Aug 3/95</i>	Date Approved		
Date Notice for Amendments Sent			

Work Report Number for Applying Reserves	Claim Number (see Note 2)	Number of Claim Units
	501150873	1
2.15999		
Total Number of Claims		1

Value of Assessment Work Done on this Claim	Value Applied to this Claim
1157	1157
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED MAY 1 1995 MINING LANDS BRANCH </div>	
Total Value Work Done	Total Value Work Applied
1157	1157

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	0
Total Assigned From	Total Reserve
0	0

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature <i>Scott Harper</i>	Date May 5/95
---	----------------------------------	------------------



Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction

W9590.00024

2.15999

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	550	
	Field Supervision Supervision sur le terrain	250	800
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Lapidary	158.25	
			158.25
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type Scintillometer	45.00	
			45.00
Total Direct Costs Total des coûts directs			1003.25

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type 224.4km @ 0.30	67.32	
Food and Lodging Nourriture et hébergement		86.25	
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			153.57
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			1156.82

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify: that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Director I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification Scott Harper

Attestation de l'état des coûts

J'atteste par la présente: que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature <u>Scott Harper</u>	Date <u>May 5/95</u>
-------------------------------	----------------------

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

June 29, 1995

Our File: 2.15999
Transaction #: W9590.00023

Mining Recorder
Ministry of Northern
Development & Mines
MacDonald Block, Room M2-17
900 Bay Street
Toronto, Ontario
M7A 1C3

Dear Sir:

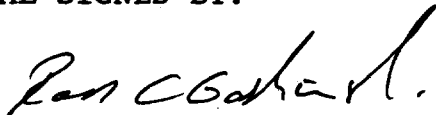
**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM
SO.1150873 IN MONTEAGLE TOWNSHIP**

Assessment work credits have been approved as outlined on the original report of work. The credits have been approved under Section 12 (Geology) of the Mining Act Regulations.

The approval date is June 28, 1995.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

ORIGINAL SIGNED BY:



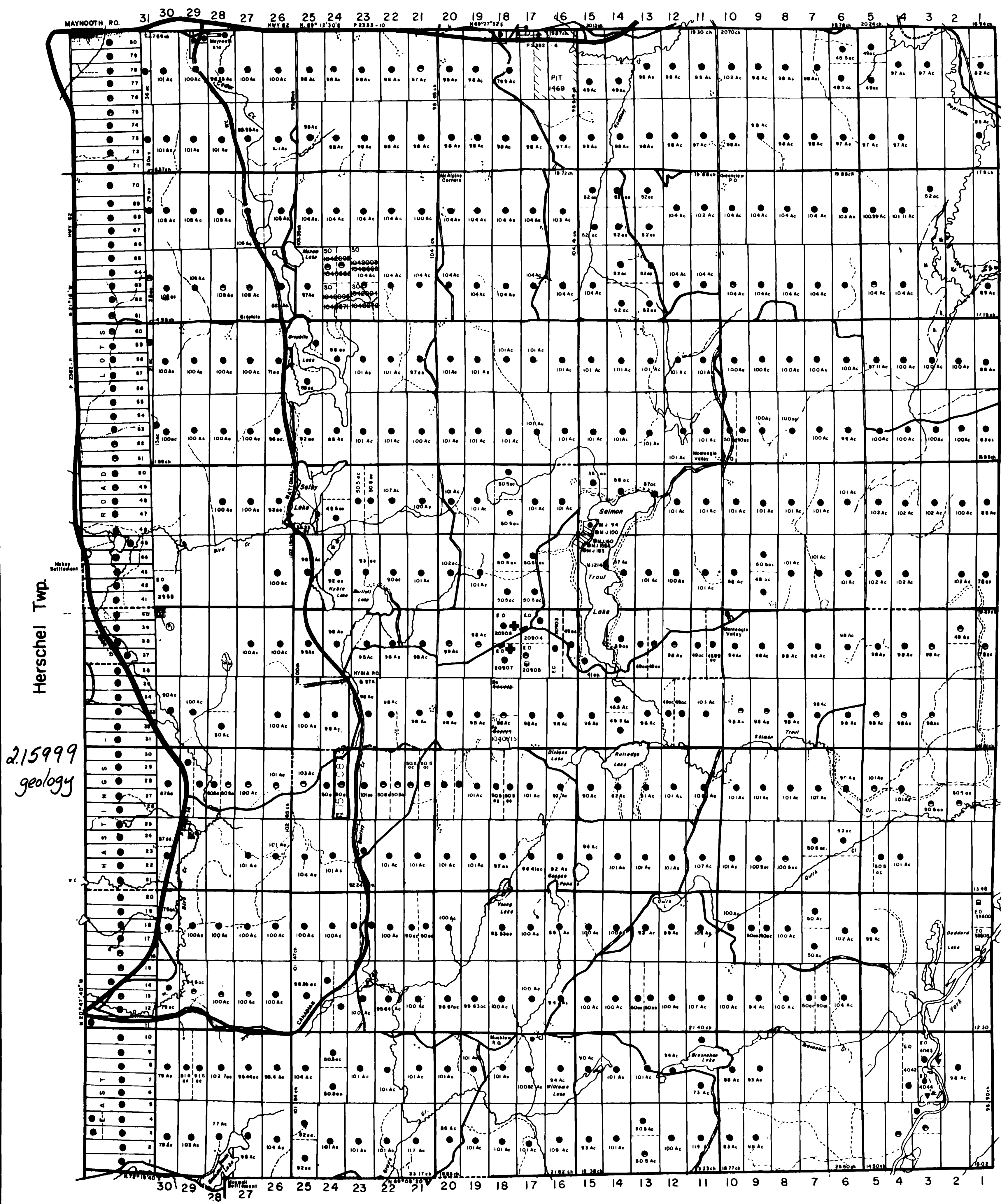
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

ALJ/jn

cc: Resident Geologist
Tweed, Ontario

Assessment Files Library
Sudbury, Ontario

Wicklow Twp.



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
SEC 36/80		14/2/85	SRO	

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

DATE OF ISSUE
MAY - 1987
SOUTHERN ONTARIO MINING DIVISION

NOTES

Flooding Rights Reserved To Contour Elevation 985' To Ontario Hydro File: 22311

100' SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
 - TOWNSHIP'S 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

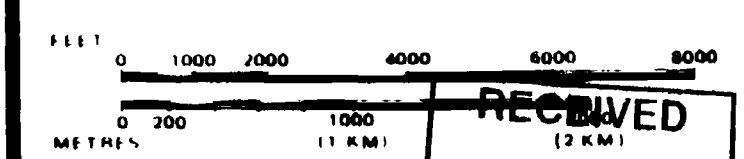
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DISPOSITION OF CROWN LANDS

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	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380, SEC. 63 SUBSEC. 1

SCALE 1 INCH = 402.15999 METRES



RECEIVED
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MINING LANDS BRANCH

TOWNSHIP
MONTEAGLE
M.N.R. ADMINISTRATIVE DISTRICT
BANCROFT
MINING DIVISION
SOUTHERN ONTARIO
LAND TITLES / REGISTRY DIVISION
HASTINGS

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: FEBRUARY, 1987
Number: **G-3052**

2.15999 geology

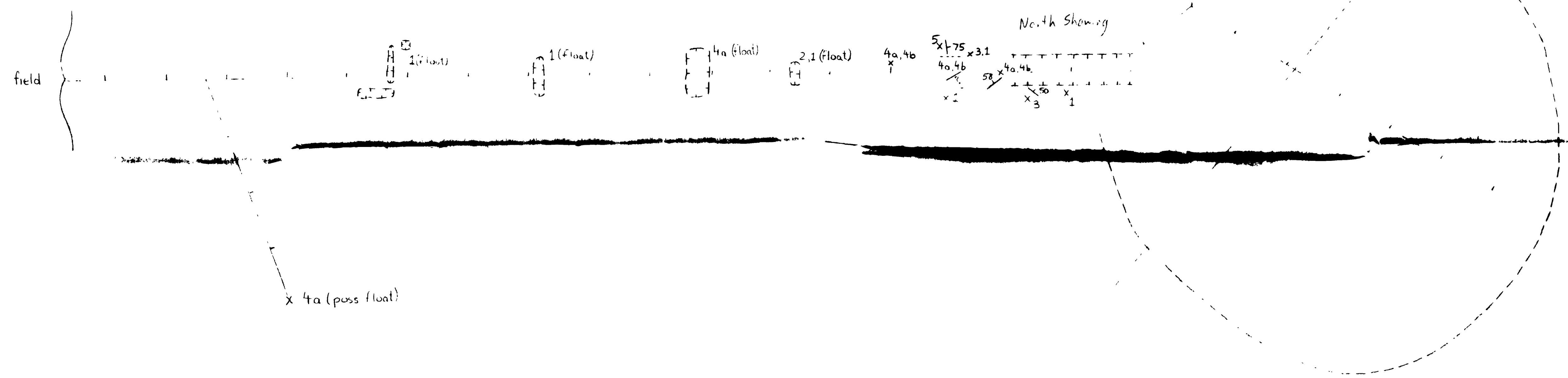


Detailed Geological Map A of Part of Mining Claim SO 1150873, Lot 24, E 1/2, Concession VI
 Monteaque Township, Southern Ontario Mining Division

46N
 T.N
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 MAY 12 1995
 MINING LANDS BRANCH
 2.15999

Legend

- 1 feldspathic gneiss
- 2 graphic granite
- 3 biotite schist
- 4a pegmatite
- 4b quartz core
- 5 granite dikelets
- - - edge of dump
- - - mining claim line/
survey line
- ||||| open cut
- ∠ orientation of vein
(inclined, dip unknown)
- ⊞ trench, pit
- x outcrop
- ↖ traverse line
-) field edge



Note: 1) This field legend and is subject to revision as a result of subsequent field or laboratory investigations.
 2) No geochronology is implied by the order of lithologic units.

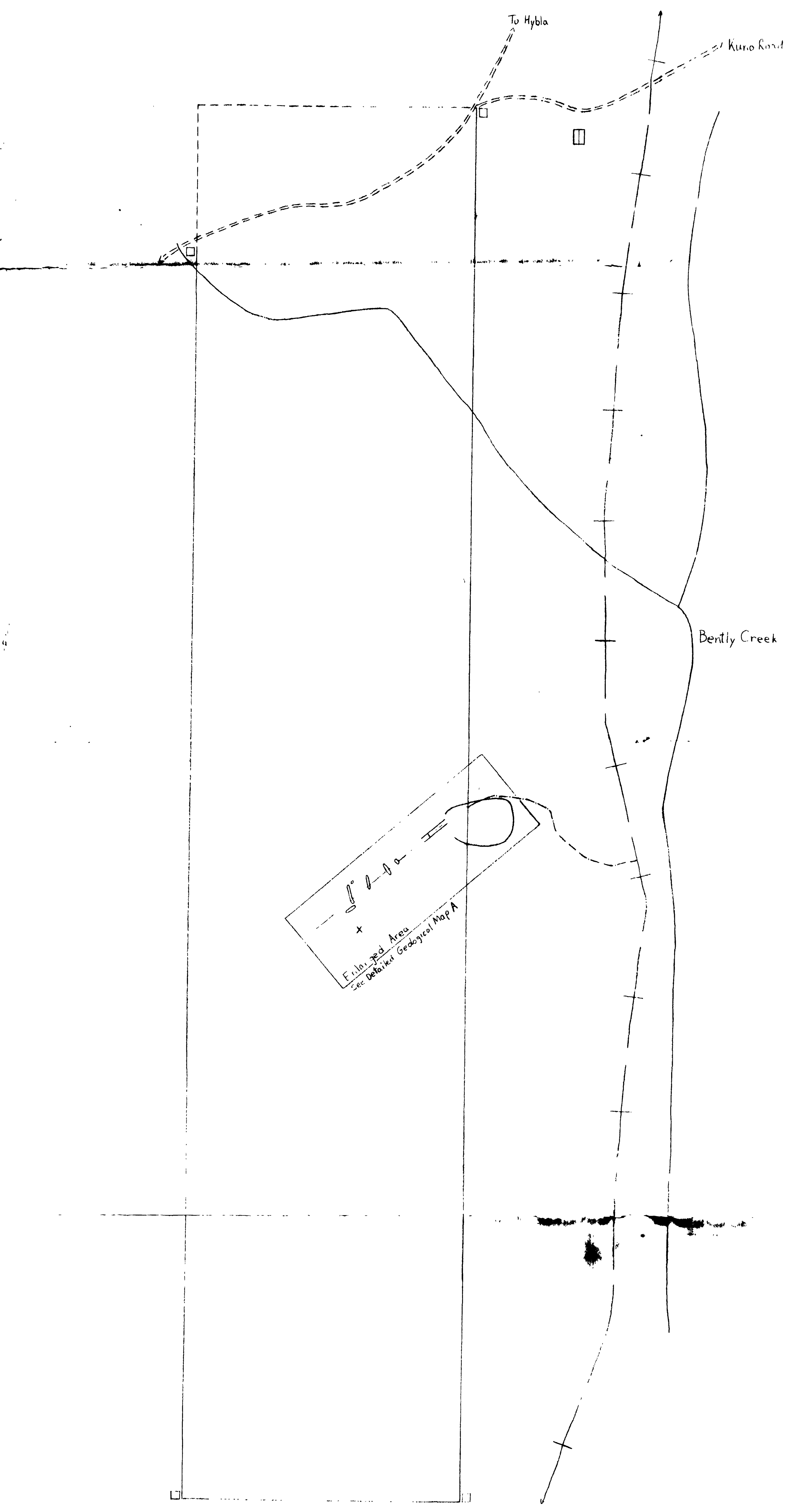
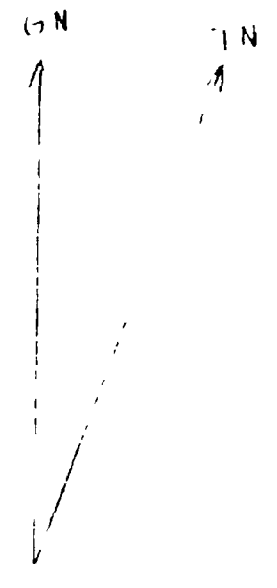
S. Harper
 Prepared by S. Bolton and S. Harper 199

Geological Map of Mining Claim SO 1150873, Lot 24, East Half, Concession VI,

Monteagle Township, Southern Ontario Mining Division.

2.15999

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MAY 12 1995
MINING LANDS BRANCH



Legend

- Road
- X- Former Railway
- ~ Creek
- House
- Mining Claim Post
- Trace to Working

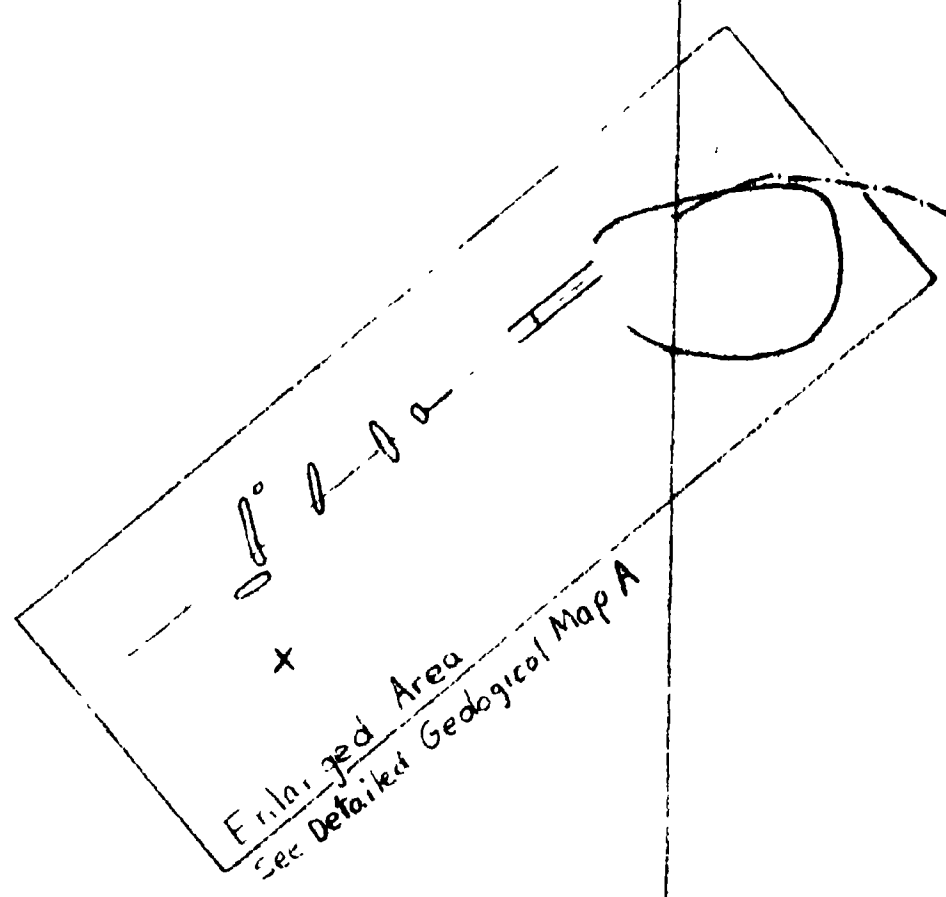
0m 100m

1:1500

Note 1) This field legend and is subject to revision as a result of subsequent field or laboratory investigations.

Prepared by O. Eulter and S. Harper 1974

S. Harper



Enlarged Area
See Detailed Geological Map A

