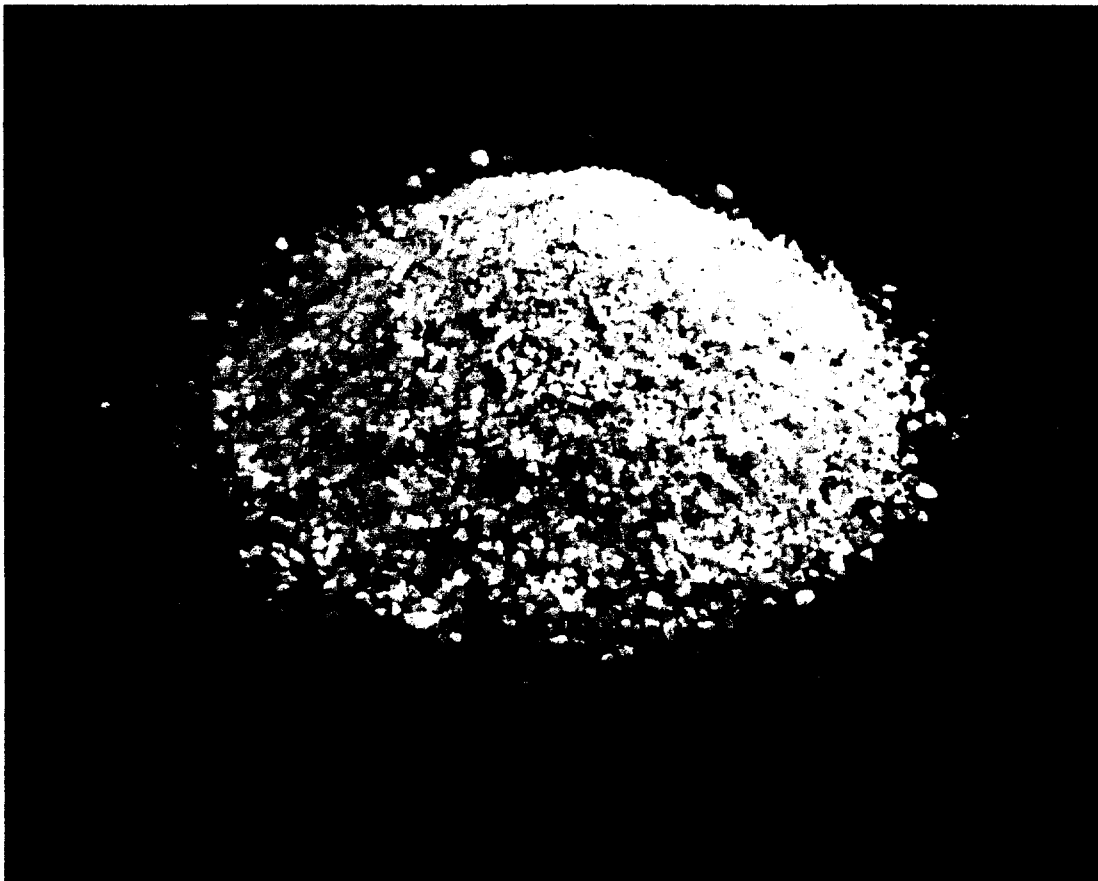


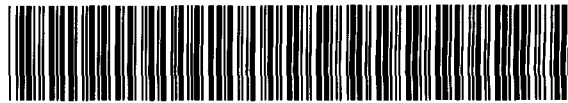
JUNIOR MINE SERVICES LTD.

SPANISH RIVER CARBONATITE COMPLEX

1999 PROSPECTING PROGRAM



41I12NE2007 2.19566 TOFFLEMIRE



SPANISH RIVER CARBONATITE COMPLEX

1996 EXPLORATION PROGRAM

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INTRODUCTION

In the fall 1993 Junior Mine Services ("JMS") optioned a property in the Sudbury area. The property covers the Spanish River Carbonatite Complex. A local prospector, Ike Burns staked the property on the potential of finding an economic deposit of vermiculite and/or phosphate. The first published report on what is now known as the "Spanish River Carbonatite" was in 1962. From the time of the first discovery in 1957 to 1968 a number of companies have looked at the complex in hopes of locating economic deposits of phosphate, vermiculite and rare earth minerals. All programs were unsuccessful.

In the summer of 1996 JMS conducted field investigations to locate and delineate areas of high purity calcite that could be mined from surface and explore for residual apatite mineralization. A bulk sample was sent to southern Ontario for further testing. JMS sought sufficient tonnages of high purity calcite to support a calcining plant. If sufficient high-grade calcite was not found in the perimeter of the complex JMS planned to drill the inner core of the complex.

Eight hundred metres of strike length was tested along the west boundary of the complex. A backhoe was used to make trenches. The trenches were excavated east west across the geological contact between the complex and the granitic host. All trenches, where bedrock was established, was sampled and mapped. At the end of the program a bulk sample was taken from an area where a lens of high purity calcite was located. Three trenches for a total strike length 135 metres cut this calcite band. The average width was 9 metres. A total of 300 tonnes was excavated and shipped to JMS's farm. Material was compared to the quality and reactivity of all agricultural limestone and mineral supplement sold in Ontario.

The 1999 spring prospecting program was conducted to re-evaluate the 1996 trenching program, observe reforestation growth and locate further areas to be tested by surfacing trenching and sampling.

SUMMARY

The Spanish River Carbonatite Complex can best be compared to a kimberlite pipe in both formation and geometry. The complex is an elongated pipe, measuring 2400 metres long and 900 metres across occurring along a fault zone that strike north-south along the west side of the Sudbury Basin. The host rock is quartz monzonite, which has been fenitized as a result of the intrusion. The complex can be categorized as follows:

- Fenitized Quartz Monzonite intruded and banded with numerous calcite (sovite) veins and lenses in varying degree of purity
- Outer Core comprised of sovite interbanded fenite. Fenite also occurs as discreet blocks that have peeled off the walls during the magma melt.
- Inner Core comprised almost entirely of sovite.

The 1996 exploration program tested the fenitized zone and very outer edge of the outer core. The heart of the complex has been only tested by one diamond drill hole, drilled by Union Carbide, in 1968. The whereabouts of the core is unknown at this time. Trenching was confined to the outer contact because of overburden thickness over top of the main deposit.

The 1999 spring prospecting work outlined several new areas to test and potentially another good area to remove clean calcite, referred to as the road zone. Sampling of the road zone was undertaken on our second visit. Results are pending and a preliminary plan to excavate this face is underway.

LOCATION AND ACCESS

The Spanish River Carbonatite Complex straddles the common boundary of Venturi and Tofflemire Townships just south of a sharp bend in the Spanish River known as the "Elbow". The property is cut by numerous, very well maintained, logging roads.

Access to the property is via the Fox Lake Lodge road, which turns off highway 144 at Cartier. From Cartier it is 25 km to the property. At present the Fox Lake Lodge maintains the main road. All river and creek crossing have had culverts and bridges put in place to handle heavy logging trucks. Road infrastructure is excellent and would require very little upgrade. In fact flatbed highway transports were brought onto the site to haul the bulk sample to southern Ontario.

Cartier is the closest town, a village with approximately 500 inhabitants (check). Within the town limits is a rail spur owned by C.P.R. Sudbury is approximately 60 kilometres south of Cartier on highway 144. Total driving time from Sudbury to the property is 1½ hours.

Accommodation was at the Fox Lake Lodge, located 1000 metres south of the property. The present owners of the resort welcome development and someone to share road maintenance.

GENERAL GEOLOGY

The Spanish River Carbonatite Complex is enveloped in a halo of fenitized granitic rocks. Carbonatite rocks with a high silicate mineral content occur along the periphery of the body. Lower silicate carbonatite occurs toward the core. The contact between fenitized wall rock and carbonatite appears to be over a maximum thickness of 300 metres. This observation is based on the trenching program and the Union Carbide drill hole. This area is referred to as the "Transition Zone" and is a complex, erratic assemblage of layered biotite sovite, fenite and mafic rocks. The transition zone appears to be a result of contact metamorphism and metasomatism. Discreet lenses bands and veins of high purity sovite have been located in this zone. The sovites in this area appear to have higher quantities of magnetite, vermiculite and apatite.

The second classification of the complex is referred to as the "Outer Core". This classification is used for the purpose of describing the trenching program and is adopted from a drill hole completed in 1968, by Union Carbide. The outer core is very similar to the transition zone with exception of a marked increase in sovite (calcite).

The third and last classification of the complex is the "Inner Core", comprised almost entirely of sovite.

The outer and inner core of the complex will inevitably have to be accessed for commercial production.

REGIONAL STRUCTURAL GEOLOGY

The Spanish River Complex Carbonatite Complex lies within the Abitibi Subprovince of the Superior Province of the Canadian Shield. The complex occurs along a north-south striking fault zone along the west side of the Sudbury Basin. According to the 1987 O.G.S. Study 30 this fault system maybe a graben structure branching off the Ottawa-Bonnechere graben, a system hosting carbonatite-alkalic rock complexes in the Nipissing area.

Airphotos of the region also suggest the complex occurs at the point of intersection of a number of regional lineaments.

CARBONATITE COMPLEX STRUCTURE

Shearing and brecciation of the enveloping quartz monzonite is common. Fractures are commonly filled with mafic pyroxenes, amphiboles and calcite. There is evidence in the trenching and the Union Carbide drill hole that blocks of fenite have peeled of the walls and are incorporated into the complex. Banding of fenites and sovite is common.

Post faulting has not been encountered at this time. The heterogeneous mixture and lack of outcrop makes it very difficult at this time to suggest that post faulting has occurred.

FENITIZED QUARTZ MONZONITE

The host rock enclosing the Spanish River Complex is massive, medium grained pink quartz monzonite. In contact with the complex the quartz monzonite has been fenitized. The granitic rock becomes mottled pink and green-blue in colour. Sodic amphibole and pyroxene have replaced the quartz in the quartz monzonite.

The fenitized quartz monzonite is brecciated and intruded by dark green mafic veins. Carbonate is commonly associated with the veins and fracture fills. The closer to the intrusive the greater the number of mafic and calcite filled fractures and veins.

SPANISH RIVER CARBONATITE COMPLEX – TRANSITION ZONE

The transition zone is predominantly fenite, but exhibits less brecciation and more banding. There is a marked increase of sovite veins, lenses and bands. The purity of the sovite in this zone varies from 45% CaCO₃ to nearly pure. The variations and types of accessory mineral found in the sovite is as follows:

- Vermiculite – 0 to 15%
- Biotite – 0 to 15%

- Magnetite – 0 to 5%
- Pyrrhotite – 0 to 5%
- Apatite – 0 to 5%

Numerous lenses and veins of clean calcite (sovite) have been located through the trenching program. It is from one of these lenses that the 300 tonne bulk sample was taken and preliminary SWEP tests were conducted.

The trenching program was carried out almost entirely over this zone covering 800 metres of strike length along the western contact of the complex. The approximate thickness of the transition zone is 300 metres.

The trenching program located several areas of economic interest. For the purpose of describing these areas they will be described as follows:

- Zone No. 1 – area where the 100 tonne bulk sample was taken and the best continuous high grade CaCO₃ has been located to date.
- Zone No. 2 – area that had been stripped for a potential bulk sample and contained the highest P₂O₅ values.
- Road Zone – area that was originally sampled in 1993 and contains the highest CaCO₃ concentrations to date.

Overburden thickness overlying the transition zone varies from 0 to 15 metres. Bedrock exposed is highly oxidized and weathered. A seismic survey conducted in 1975 over this area suggested depths of overburden were 50 to 90 feet and that bedrock was covered by a dense layer that came to surface. It is this dense layer that the trenching program exposed.

The 1999 traverses re-visited these zones and further sampling and physical work commenced in hopes of locating new areas of clean calcite.

SPANISH RIVER CARBONATITE COMPLEX - OUTER CORE

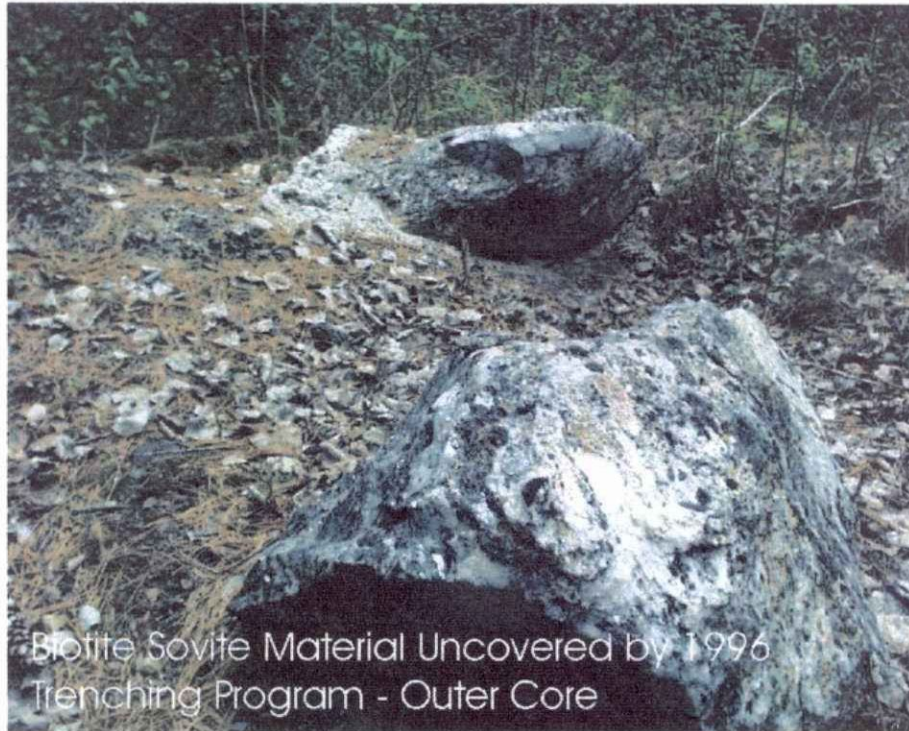
The actual contact between the transition zone and outer core is not well defined and is based on the degree of sovite versus fenite present and overburden thickness. Where there is a sharp increase in overburden would be the logical location for the contact between the complex and altered host rock. The approximate thickness of the outer core based on the above observations would be 200 metres. The outer core appears only to outcrop along the road where Vein No.3 is located. A vertical rotary percussion hole (TP-2) drilled, in 1975, in this vicinity encountered 15 feet of overburden. This is also in the vicinity of test pits, which exposed decomposed sovite very similar to TP-2.

In the O.G.S. Study, "*Spanish River Carbonatite Complex*" the outer core is described as the Outer Phase. The outer phase based on this report is comprised of syenite, pyroxenite, ijolite and biotite sovite.

For the purpose of this report the description of the composition for the outer core is from the Union Carbide drill hole.

"The Outer Core of the carbonatite-filled diatreme, composed of biotite amphibole sovite with some pyrrhotite and minor chalcopyrite and gramphite. There is no appreciable magnetite between 1066'4" and 1339'. Between 1339' and 1495' coarse magnetite is present in both sovite and the gramphite. For the purpose of logging this core, 3 rock types are recognized, gramphite, sovite inclusions, which may be either sovite with a high proportion of inclusions, or gramphite, which has been carbonated. In either case, the dark minerals constitute up to 50% of the rock. The proportions of sovite, inclusions and gramphite in this section are: 22%, 32% and 46% respectively."

Results from trenching, the Union Carbide drill hole and seismic survey suggest the potential for locating a +90% CaCO₃ deposits of sufficient size to warrant production, at some scale, from surface very good.



SPANISH RIVER COMPLEX - INNER CORE

The inner core of the Spanish River Complex is entirely covered by a thick layer, +100 feet, of overburden. Descriptions provided from various sources all relate back again to the hole drilled by Union Carbide. All descriptions use calcite content to describe and classify the inner core. Concentrations of calcite (sovite) increase closer to the centre of the complex.

The inner core in all probability contains economic deposits of CaCO₃. Diamond drilling will be required to locate the more favorable areas of clean calcite and access will have to be via an underground decline.

For the purpose of this report Union Carbide's description was used to describe the inner core. Union Carbide describes the inner core being comprised almost entirely of biotite/magnetite sovite, with minor sections of gramphite. Accessory minerals found were pyrrhotite, chalcopyrite and apatite.

ZONE NO.1

The most prospective calcite zone located by the 1996 trenching program was an area located on the western contact between the transition and outer core of the complex. Three trenches exposed a sovite band or vein for a length of 135 metres and open. The average width was 9 metres with the widest section measuring 11.0 metres. Zone 1 was comprised of +90% CaCO₃, trace magnetite, pyrrhotite, vermiculite, biotite and apatite.

SWEP tests taken from channel samples collected from trench 92-2 show no potential contaminants that would adversely effect its use in any agricultural or mineral supplement application.

Zone 1 was the only calcite horizon encountered during the trenching program that could not be effectively broken with the bucket of a backhoe. Samples taken from the trenches and test pits, in the immediate vicinity of Zone 1, of decomposed bedrock show elevated levels of Ca. Values of this decomposed material ranged form 25 to 30% Ca. Reverse circulation hole TP-2 also verifies the existence of clean sovite over a very broad area where overburden is shallow (10 to 25feet). The total area of potential high purity calcite is 6300 square metres (17,000 tonnes/vertical metre).

Additional work is required to properly delineate this potential zone both in size and grade. A modest diamond-drilling program followed by stripping is recommended. Work is underway to determine is we can mine this material clean or if not can we mechanically beneficiate this material.

ZONE NO. 1 - BULK SAMPLE

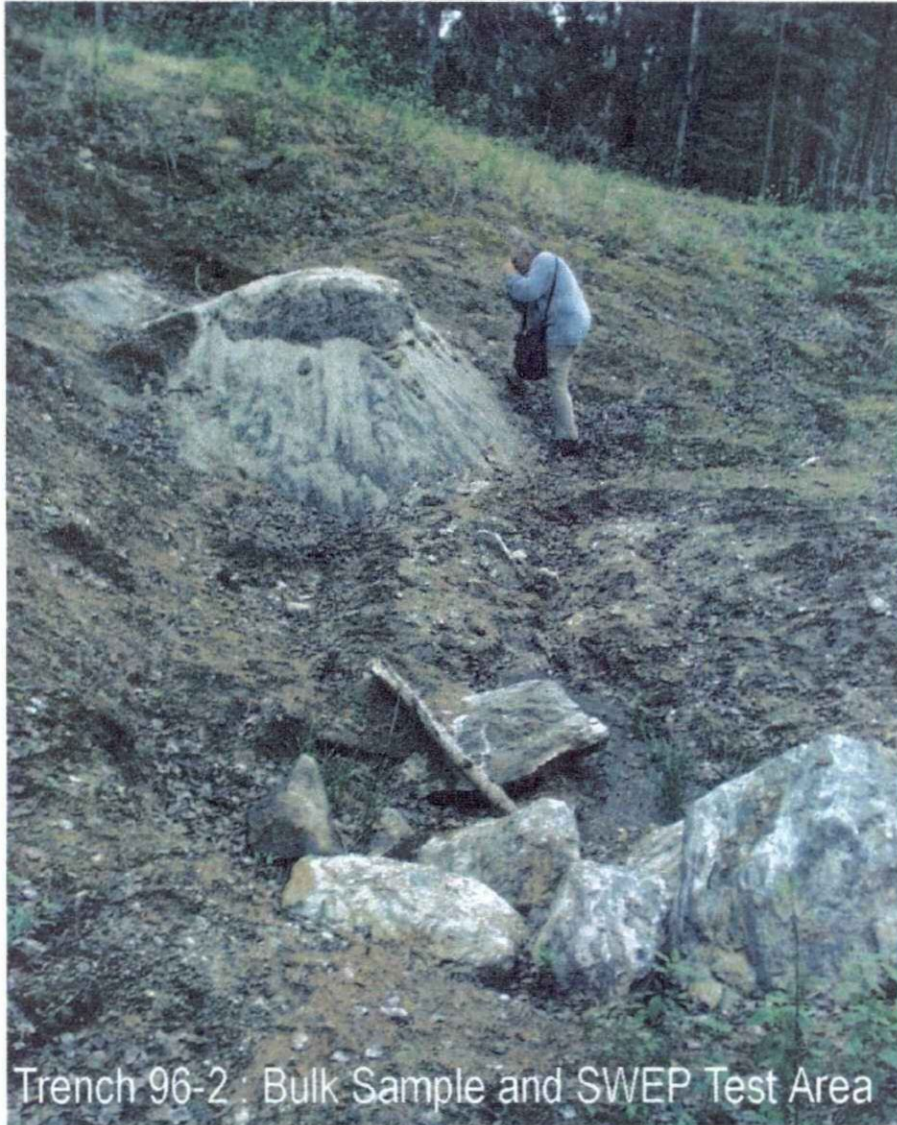
On completion of the trenching program it was apparent that Zone No.1 was the logical location for taking the bulk sample. JMS wanted to take a bulk sample so marketing and product testing could take place the following spring.

The sample is in one tonne fertilizer bags at JMS's farm. Metallurgical testing and processing has started. Once the 300 tonnes has been processed re-activity tests, screening and test marketing can commence. The rejected material will be spread on farm fields and gardens.

Any subsequent bulk sampling at the site will require the following detailed scrutiny.

- The sample location must be thoroughly stripped, leaving wide margins around the intended sample area.
- Before any sampling takes place the area must be thoroughly blown with compressed air followed by pressure washing.

- On site quality and grade control 100% of the time.
- Each slab of rock must be handled in such a manner that it does not come in contact with any contaminated surface.
- Each individual slab must be stored on a clean pad. It may require pouring a concrete storage pad where rock breaking and crushing activities can also take place.
- The use of fertilizer bags is an excellent way of storing and transporting material. Therefore on site primary crushing is recommended.



ZONE NO.2

Zone No.2 is located in the same area as Zone 1 but closer to the fenite contact. The zone is comprised of banded decomposed sovite with coarse vermiculite, minor mafic bands and apatite. Trenching in this area was able to hit what appeared to be outcrop at a depth of about 7.5 metres. The outcrop lying underneath this zone appeared to be fenite and not sovite.

Sampling of the banded, decomposed sovite returned 47.24% CaO and 3.17% P₂O₅ over a 60 metres section. A 20 metre zone within this returned 38.41% CaO and 5.12% P₂O₅.

Two very interesting features occur in this area.

1. Though the sovite unit is decomposed it appears to be in place because of the banding and uniformity exhibited in the trench. This may not be the case because of the unconformity found at the contact with what appeared to be fenite bedrock.
2. This is the first area that JMS has located that may represent residual apatite.

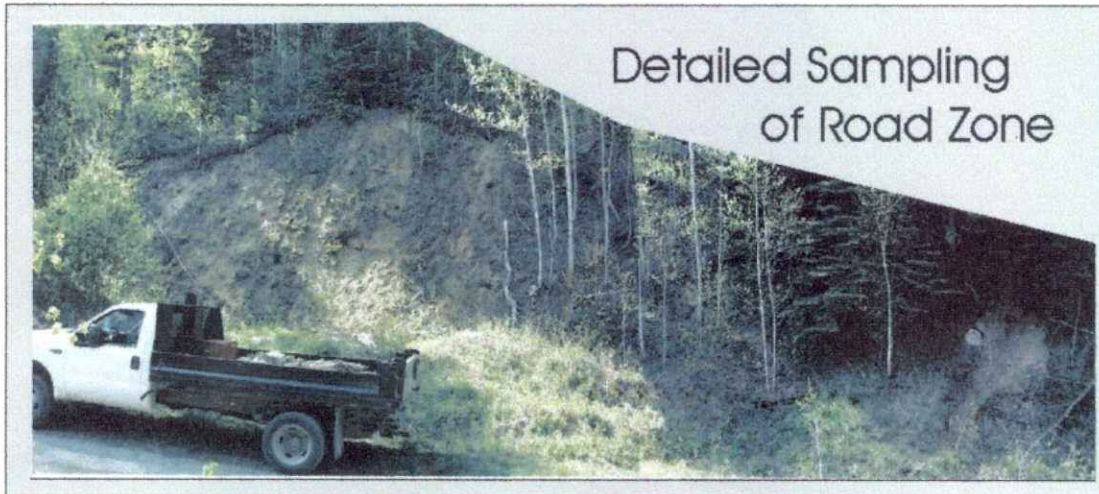
Phosphate concentrations within a clean sovite found in this area may represent a marketable product without any further processing. Further testing is required over Zone No.2 to establish the relationship of the decomposed material and bedrock and to investigate the possibilities of locating higher concentrations of phosphate.

ROAD ZONE

Sampling over Zone No. 3 was performed in 1993 when JMS original looked at the property. Subsequent trenching was performed behind this zone but was unable to locate bedrock. Zone 3 samples have returned the highest CaCO₃ surface values to date. A composite of samples VP3, VP4, VP6 and VP17 returned 98.14% CaCO₃.

JMS wanted to strip and expose this zone during the 1996 program but decided against it because of location. Zone No.3 is located beside the main road leading to the Spanish River Elbow and though the MNR did not oppose stripping in this area they did require JMS to build a new alternative road around the excavation. Working with a limited budget stopped JMS from carrying out this plan.

This zone was re-evaluated under the current program. A detailed sampling program was undertaken on a 2 metre by 2-metre grid. Test pits were dug to determine true widths. The material sampled was predominantly clean white sovite and will probably grade +95% CaCO₃. The true width of the cleanest calcite is about 1 metre. Preliminary estimates of the amount of clean calcite are 250 tonnes. A bulk sample of this material is recommended.



May 1999 Sampling of Road Zone

CONCLUSIONS

A review of all historical work done on the complex and our work conducted in 1994 and 96 concluded the following.

The 1996 Trenching and Bulk Sample Program was able to locate potential modest 10,000 to 20,000 tonne surface deposits of +95% CaCO_3 sovite (calcite). Trenching was confined to the fenite and transition zones of the complex because overburden thickness over the main sovite rich outer and inner core is too deep. The geological and structural patterns of the fenite and transitional zones are complex due to calcite decomposition, contact metamorphism and brecciation.

Only 800 metres of a possible 5300-metre strike length of contact has been tested. In the summer of 1998, J.M. Slack and J. Slack visited the site to examine an area where Ike Burns had trenched the previous summer. Mr. Burns uncovered massive fragments of clean sovite from the northern boundary of the complex. The average size of the pieces were .5 metres across and estimated to weigh 500 kilograms. Though this material has not yet been assayed, there is little question to its purity. This must be further investigated.

Though the 1996 program was able to locate continuous lenses of calcite. Zone 1 & The Road Zone have excellent potential. Ike Burns 1997 trenching confirms the potential for locating surface accessible bedrock to be very good. The likelihood of locating surface accessible +90% CaCO_3 is excellent and exploration efforts to locate surface deposits should continue.

Zone No. 2 indicates that residual apatite deposits exist. Locating a residual apatite deposit is good but should not be the focus of future exploration.

Once assay results from sampling completed on the Road Zone are completed a bulk sample of this material should be taken.

The focus of future exploration should remain the same, to locate surface accessible clean sovite and advance our understanding of the outer and inner core. Diamond drilling should commence to delineate CaCO₃ deposits within the center of the complex. Drilling should be conducted in such a manner to ensure:

1. Covers previous surface work in those areas that have the greatest potential for surface ore.
2. Fences the entire width of the complex
3. Tests grade and purity of CaCO₃ within outer and inner core.
4. Establishes overburden thickness over the core of the complex.

REFERENCES

R.P. Sage, 1987: Spanish River Carbonatite Complex; Ontario Geological Survey, Study 30.

Appendix: 1
Agent Authorization Letters

I Isaac Burns;

1. President and owner of Ike Burns Exploration Corp. client number 147431.
2. Reside at Sudbury, in the District of Sudbury.

Have given permission to Junior Mine Services Ltd. to conduct fieldwork on the following claims in Venturi and Tofflemire Townships, between the dates May 1st to June 30th, 1999.

Unpatented Mining Claims: SS1136165, S1214615, S1214616, and S1231050

Mining Leases: S359399, S359400, S377231, S378212, S378894, and S378893

Date: June 24/99 Signature: Ike Burns

I Chris Caron;

1. Did perform prospecting and sampling work on leased claims S359399, S359400, S377231, S378212, S378894, S378893 and unpatented claims S1136165, S1214615, S1214616, S1231050 in Venturi and Tofflemire Townships, District of Sudbury.
2. The work was performed between the dates May 29th to May 31st 1999.
3. I concur with all information contained in this report and is an accurate description of work performed.
4. I drafted all plans for this report
5. I reside in the city of Mississauga, County of Peel.
6. The work was performed on claims, 100% owned at the time, by Ike Burns Exploration Inc. and Issac Burns.
7. I am the holder of an Ontario prospecting license C38620

Date:

JUNE 22/1999

Signature:

Chris Caron

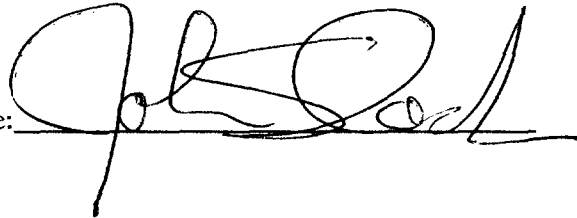
I John Slack;

1. Did perform prospecting and sampling work on leased claims S359399, S359400, S377231, S378212, S378894, S378893 and unpatented claims S1136165, S1214615, S1214616, S1231050 in Venturi and Tofflemire Townships, District of Sudbury.
2. The work was performed between the dates May 17th to May 19th and May 29th to May 31st 1999.
3. I wrote this report and reviewed all other data.
4. I concur with all information contained in this report and is an accurate description of work performed.
5. I reside in the Township of Erin, County of Wellington.
6. The work was performed on claims, 100% owned at the time, by Ike Burns Exploration Inc. and Isaac Burns.
7. I am the holder of an Ontario prospecting license C38249

Date:

JUNE 22/99

Signature:

A handwritten signature in black ink, appearing to read 'John Slack', written over a horizontal line.

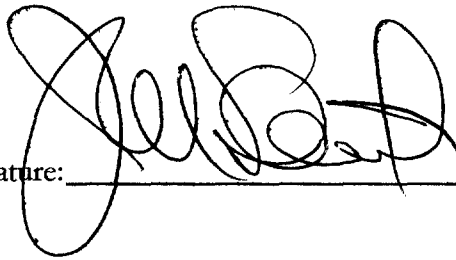
I Malcolm Slack;

1. Did perform prospecting and sampling work on leased claims S359399, S359400, S377231, S378212, S378894, S378893 and unpatented claims S1136165, S1214615, S1214616, S1231050 in Venturi and Tofflemire Townships, District of Sudbury.
2. The work was performed between the dates May 17th to May 19th
3. I concur with all information contained in this report and is an accurate description of work performed.
4. I reside in the Township of Erin, County of Wellington.
5. The work was performed on claims, 100% owned at the time, by Ike Burns Exploration Inc. and Isaac Burns.

Date:

June 22/99

Signature:





Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W997000226 Assessment Files Research Imaging



41I12NE2007 2.19566 TOFFLEMIRE 900

subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assesment work and correspond with the mining land holder. Questions about this lorthem Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

- Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name: IKE BURNS EXPLORATION CORP. Client Number: 147431
Address: 1073 STAFFORD STREET Telephone Number: 705-566-2023
SUDBURY, ONT. P3A 3G3 Fax Number:

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [checked]
Physical: drilling stripping, trenching and associated assays
Rehabilitation
Work Type: PROSPECTING
Office Use:
Commodity:
Total \$ Value of Work Claimed:
Dates Work Performed: From 17 Day, Month 5, Year 1999 To 19 Day, Month 5, Year 1999
NTS Reference:
Global Positioning System Data (if available): Township/Area VENTURI
M or G-Plan Number G-4118
Mining Division:
Resident Geologist District:

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

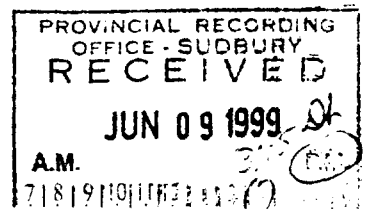
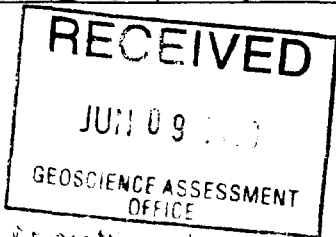
3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: JOHN SLACK / JUNIOR MINE SERVICES LTD. Telephone Number: 519-833-9827
Address: RR#1 ERIN ONTARIO NOBITO Fax Number: 519-833-7515

4. Certification by Recorded Holder or Agent

I, JOHN SLACK, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: [Signature] Date: JUNE 8 1999
Agent's Address: RR#1 ERIN ONTARIO Telephone Number: 519-833-9827 Fax Number: 519-833-7515





Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

| |
|-----------------------------------|
| Transaction Number (office use) |
| W9970.00226 |
| Assessment Files Research Imaging |

Personal information collected on this form is obtained under the authority of subsection 65(2) and 66(3) of the Mining Act. 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, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

| | |
|---|---|
| Name IKE BURNS EXPLORATION CORP | Client Number 147431 |
| Address 1073 STAFFORD STREET | Telephone Number 705-566-2023 |
| SUDBURY, ONT. P3A 3G3 | Fax Number |
| Name | Client Number |
| Address | Telephone Number |
| | Fax Number |

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

| | | |
|---|---|--|
| Geotechnical: prospecting, surveys, assays and work under section 18 (regs) | Physical: drilling stripping, trenching and associated assays | Rehabilitation |
| Work Type PROSPECTING SAMPLING | | Office Use |
| Dates Work Performed From 29 05 1999 To 31 05 1999 | | Commodity |
| Global Positioning System Data (if available) | | Total \$ Value of Work Claimed 2704 |
| Township/Area VENTURI | M or G-Plan Number G-4118 | NTS Reference |
| | | Mining Division Sudbury |
| | | Resident Geologist District |

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

| | |
|---|---|
| Name JOHN SLACK / JUNIOR MINE SERVICES LTD. | Telephone Number 519-833-9827 |
| Address | Fax Number 519-833-7515 |
| Name | Telephone Number |
| Address | Fax Number |
| Name | Telephone Number |
| Address | Fax Number |

4. Certification by Recorded Holder or Agent

I, JOHN SLACK, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: *[Signature]* Date: **June 8 1999**

Agent's Address: **RR#1 ERIN** Telephone Number: **519-833-9827** Fax Number: **519-833-7515**

0241 (03/97) RECEIVED
2:19 pm
ASSESSMENT

RECEIVED
JUN 09 1999
3:36 pm
GEOSCIENCE ASSESSMENT OFFICE

Deemed
September 22, 1999
2.1950
PROVINCIAL RECORDER
OFFICE - SUDBURY
RECEIVED
JUN 09 1999
A.M. 3:15
21819140111211201115

Amdement

5. Work 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.

459970.00526

| Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map. | Number of Claim Units. For other mining land, list hectares. | Value of work performed on this claim or other mining land. | Value of work applied to this claim. | Value of work assigned to other mining claims. | Bank Value of work to be distributed at a future date |
|---|--|---|--------------------------------------|--|---|
| eg TB 7627 | 16 ha | \$26,825 | N/A | \$24,000 | \$2,825 |
| eg 1234567 | 12 | 0 | \$24,000 | 0 | 0 |
| eg 1234568 | 2 | \$ 8,892 | \$ 4,000 | 0 | \$4,892 |
| 1 LEASE 5289399 | 1 | \$338 | | \$338 | |
| 2 LEASE 5359400 | 1 | \$338 | | \$338 | |
| 3 LEASE 5377231 | 1 | \$338 | | \$338 | |
| 4 LEASE 5378212 | 1 | \$338 | | \$338 | |
| 5 LEASE 5378894 | 1 | \$338 | | \$338 | |
| 6 LEASE 5378893 | 1 | \$338 | | \$338 | |
| 7 UNPATENT 51231050 | 4 | \$338 | | \$338 | |
| 8 UNPATENT 51136165 | 1 | \$338 | | \$338 | |
| 9 5124615 | 2 | \$0 | \$1306 | 0 | |
| 10 51219616 | 1 | \$0 | \$898 | 0 | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| Column Totals | | | | | |

7000114
7000115
7000116

I, JOHN SLACK, do hereby certify that the above work credits are eligible under 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.

Signature of Recorded Holder or Agent-Authorized in Writing: [Signature] Date: JUNE 25 1999

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

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

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 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
- 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 Use Only

| | | |
|----------------|---|--------------------------------|
| Received Stamp | Deemed Approved Date | Date Notification Sent |
| | Date Approved | Total Value of Credit Approved |
| | Approved for Recording by Mining Recorder (Signature) | |

0241 (03/87)



Statement of Costs for Assessment Credit

Transaction Number (office use) W9970.00226

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, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Includes entries for PROSPECTING (12 HOURS, \$50.00/HR, \$600.00), Associated Costs, Transportation Costs (1400 KM, 0.30/KM, \$420.00), Food and Lodging Costs (\$293.65), and Total Value of Assessment Work (\$1313.65).

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.

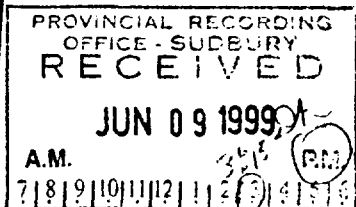
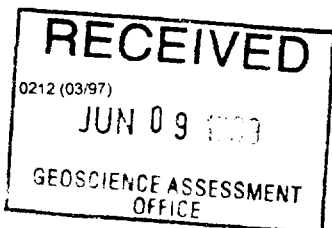
Note: - Work older than 5 years is not eligible for credit. - A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

2.19566

I, JOHN SLACK, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as JOHN SLACK I am authorized to make this certification. (recorded holder, agent, or state company position with signing authority)



Signature [Handwritten Signature] Date JUNE 8 1999



Statement of Costs for Assessment Credit

Transaction Number (office use) W9970.00226

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, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Rows include PROSPECTING, SAMPLING, Associated Costs, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work.

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.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ 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.

Certification verifying costs:

I, JOHN SLACK, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as JOHN SLACK I am authorized to make this certification.

Signature and Date fields with handwritten signatures and dates. Includes two 'RECEIVED' stamps: one from the Provincial Office dated JUN 09 1999, and another from the Assessment Office dated JUN 09 1999.

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

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

September 13, 1999

IKE BURNS EXPLORATION CORP.
1073 STAFFORD STREET
SUDBURY, Ontario
P3A-3G3

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

Dear Sir or Madam:

Submission Number: 2.19566

Status

Subject: Transaction Number(s): W9970.00226 Approval

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 Bruce Gates by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.19566

Date Correspondence Sent: September 13, 1999

Assessor: Bruce Gates

General Comment:

Prospecting under the Assessment Regulation receives assessment credit at \$150/day and must meet the requirements of Section 9. Future submissions will require the results of any sampling to be provided at the time the costs of collecting the samples is reported

| Transaction Number | First Claim Number | Township(s) / Area(s) | Status | Approval Date |
|---------------------------|---------------------------|------------------------------|---------------|----------------------|
| W9970.00226 | S1214615 | VENTURI | Approval | September 13, 1999 |

Section:

18 Other INDUS

Correspondence to:

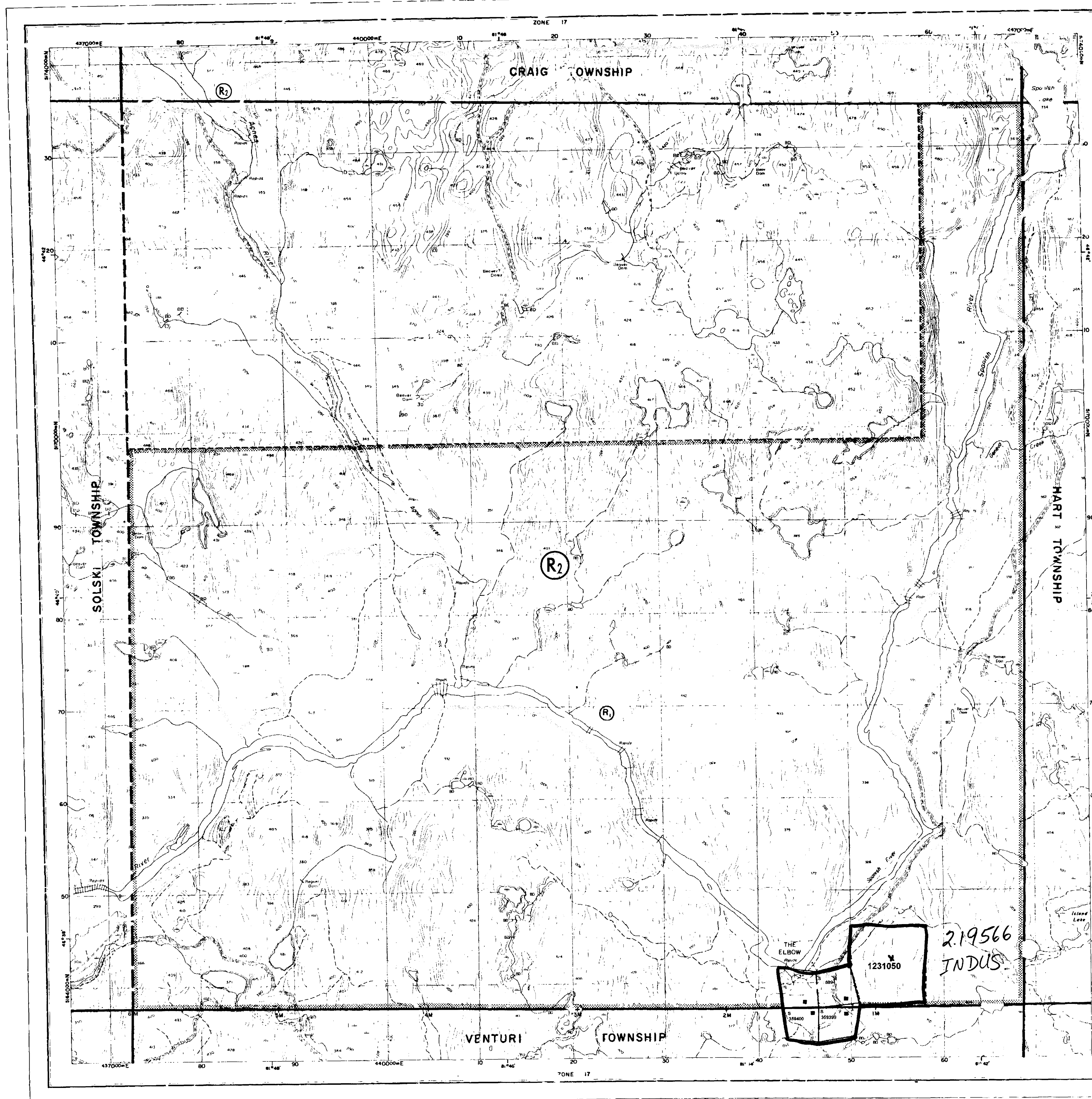
Resident Geologist
Sudbury, ON


Recorded Holder(s) and/or Agent(s):

John Slack
ERIN, ON, CAN

Assessment Files Library
Sudbury, ON

IKE BURNS EXPLORATION CORP.
SUDBURY, Ontario

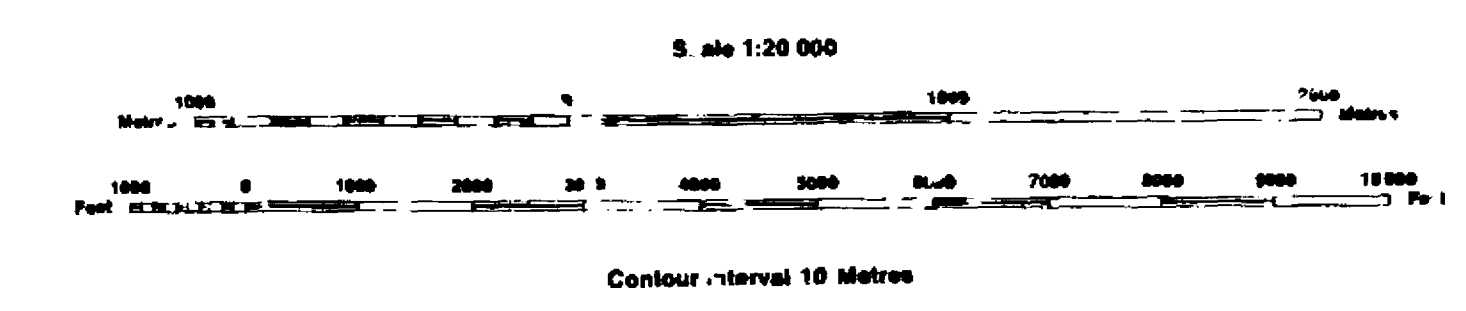



 Ministry of Natural Resources
 Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-2987
 TOWNSHIP
TOFFLEMIRE

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



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED.

OCT 06 1999

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.

AREAS WITHDRAWN FROM DISPOSITION
 M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.S. - MINING AND SURFACE RIGHTS

| Description | Order No. | Date | Disposition | File |
|-------------|------------------|-------|-------------|------------|
| (R1) | SEC 35, RSD 1980 | W 482 | JUNE 14/82 | SRO 157485 |

SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- Lot/Concession; surveyed
- Parcel; surveyed
- Right-of-way; road
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- Road; highway, county, township
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- 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
- Cancelled
- Reservation
- Sand & Gravel
- LAND USE PERMIT

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.

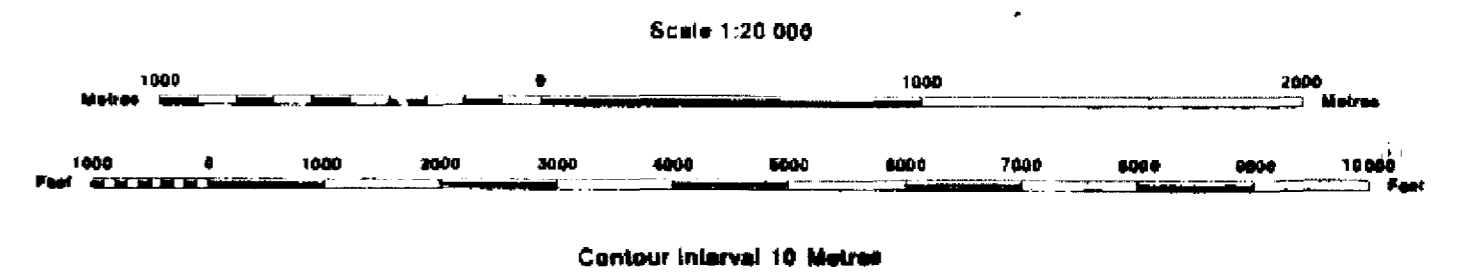
This base and land disposition drawing by Survey and Mapping Branch, Ministry of Natural Resources. The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

INDEX TO LAND DISPOSITION

PLAN
G-4118
TOWNSHIP

VENTURI

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



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 |
|----------------------------------|-----------|--------|-------------|------|
| ① S.L.C. 38/90 W 4/8C | 146/92 | S.R.O. | 137885 | |
| ② S.L.C. 35 W / LL - P192/99 ON1 | MAY 17/99 | M+S | | |

SYMBOLS

| | |
|---------------------------------|---|
| Boundary | |
| Township, Meridian, Baseline | — |
| Road allowance; surveyed | — |
| shoretline | — |
| Lot/Concession; surveyed | — |
| unsurveyed | — |
| Parcel; surveyed | — |
| unsurveyed | — |
| Right-of-way; road | — |
| railway | — |
| utility | — |
| Reservation | — |
| Cliff, Pit, Pile | — |
| Contour | — |
| Interpolated | — |
| Approximate | — |
| Depression | — |
| Control point (horizontal) | — |
| Flooded land | — |
| Mine head frame | — |
| Pipeline (above ground) | — |
| Railway; single track | — |
| double track | — |
| abandoned | — |
| Road; highway, county, township | — |
| access | — |
| trail, bush | — |
| Shoretline (original) | — |
| Transmission line | — |
| Wooded area | — |

DISPOSITION OF CROWN LANDS

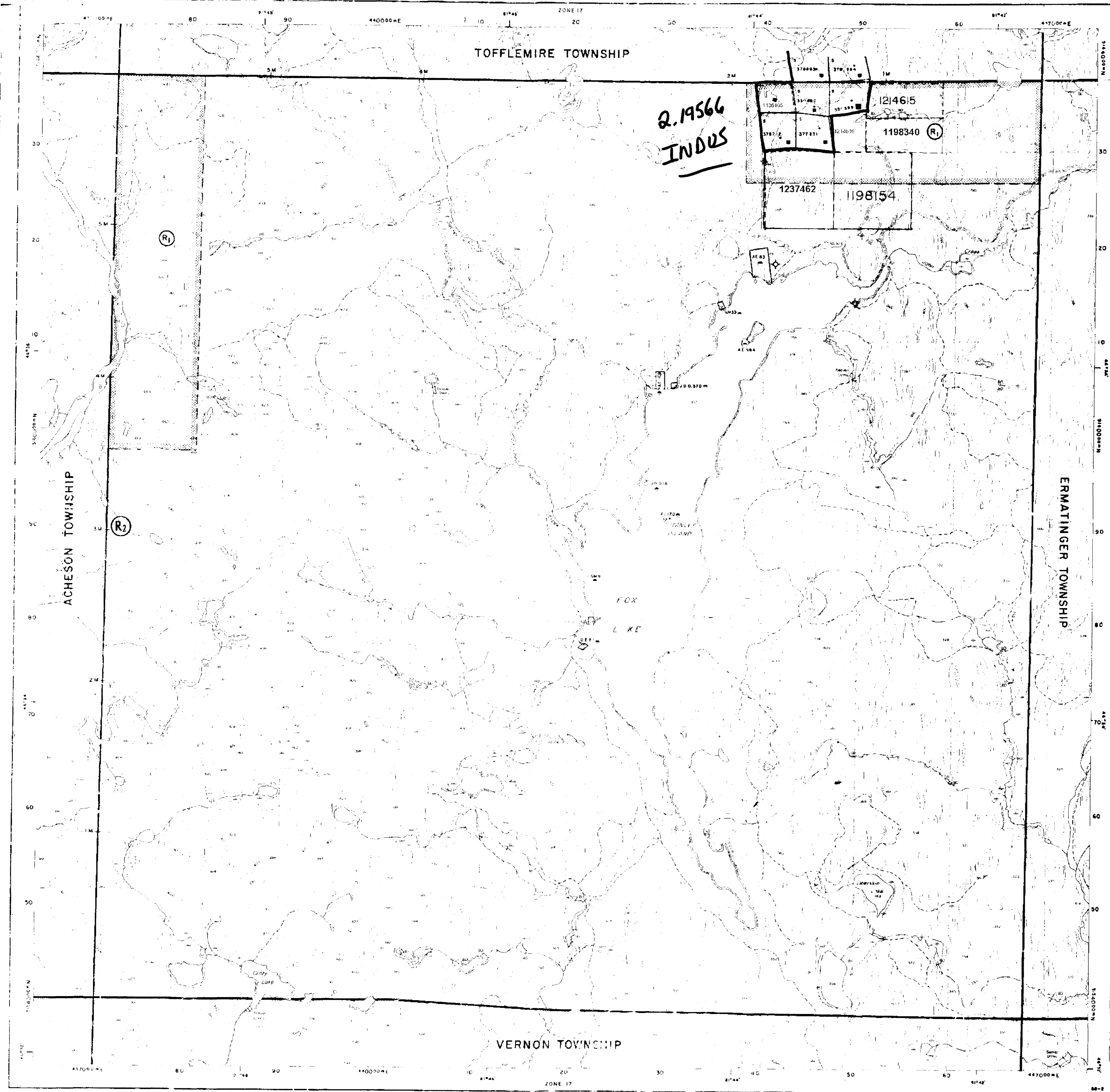
| | |
|-------------------------|----|
| Patent | |
| Surface & Mining Rights | ● |
| Surface Rights Only | ○ |
| Mining Rights Only | ◐ |
| Lease | |
| Surface & Mining Rights | ■ |
| Surface Rights Only | □ |
| Mining Rights Only | ◻ |
| Licence of Occupation | ▲ |
| Order-in-Council | OC |
| Cancelled | ⊗ |
| Reservation | ⊙ |
| Sand & Gravel | ⊕ |
| LAND USE PERMIT | ⊛ |

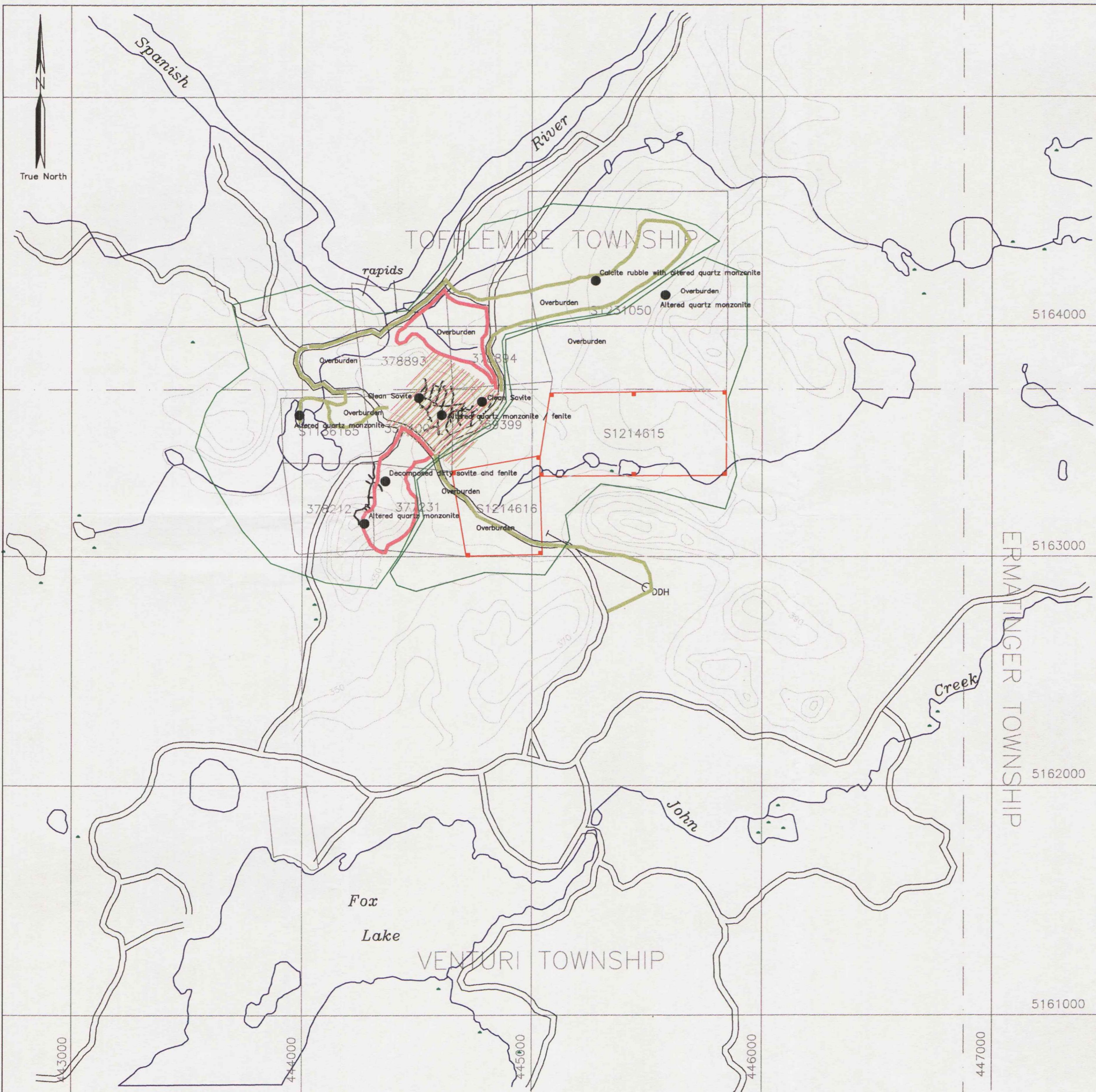
NOTES

* 400 FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS.

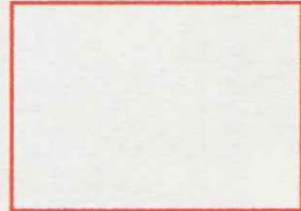



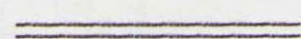









THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

NOVEMBER 30, 1988



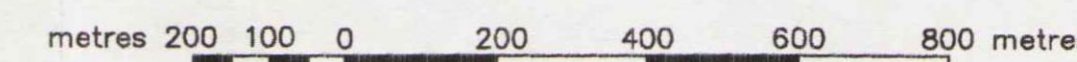


Prospecting Map Relating to
 Assessment Work on Claims
 S1214615 and S1214616
 Venturi Tp. – Tofflemire Tp.

-  Claim to which assessment is to be applied (S1214615 and S1214616)
-  Claim Post
-  Traverse of May 18, 1999
-  Traverse of May 29, 1999
-  Road
-  Trail
-  Trench
-  Diamond Drill Hole
- 1179536 Claim Number
-  Claim Boundary
-  Township Boundary
-  Outcrop with description
-  Denotes areas of intensive prospecting on May 30 and May 23 respectively
-  Reforested area (Jack and Red Pine)
-  Mixed Coniferous

Note : Overburden consists entirely of sand

Junior Mine Services Ltd.
 Prospecting Traverses
 May 18 and May 29, 1999

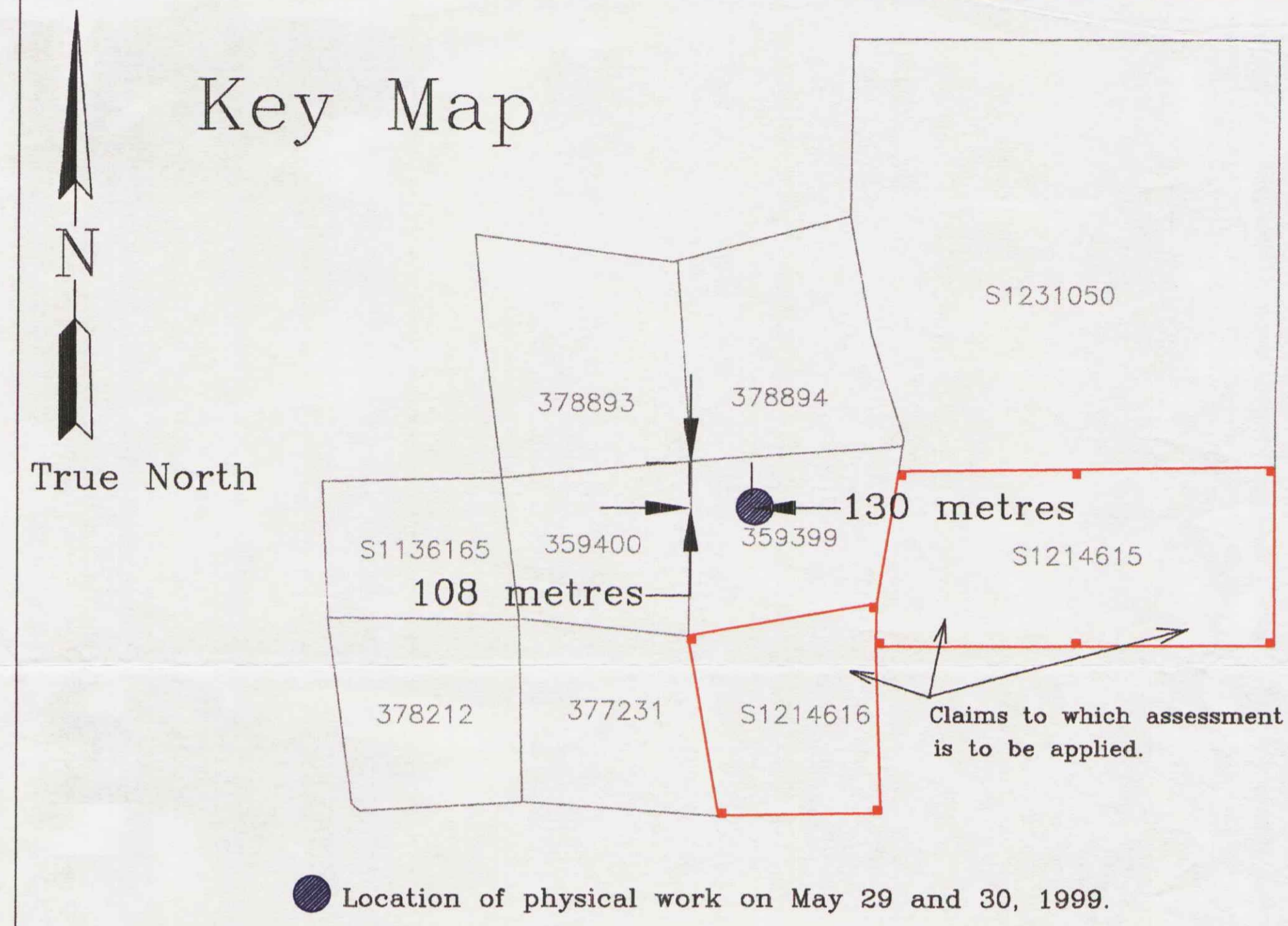


2.19566

Date : May 1999

Figure : 1



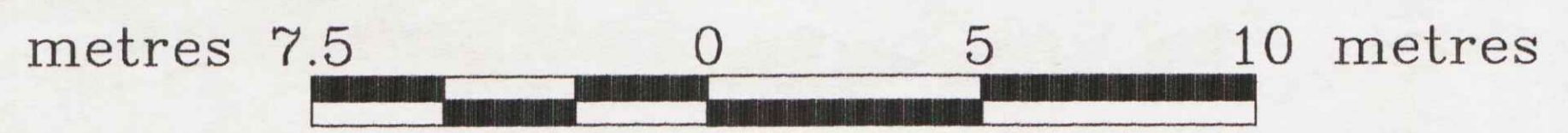


- LEGEND**
- Clean Sovite - minor vermiculite, minor iron oxide.
 - Dirty Sovite - up to 10% vermiculite, 5 to 10% iron oxide, magnetite, with inclusions of altered host rock.
 - Altered Host Rock - dark green to black, minor calcite, siliceous, banded to ribbon banded with dirty sovite.
- SYMBOLS**
- Geological Contact
 - Outcrop
 - 99-S1 Sample No. and Location
 - Edge of Hill

Road Zone

Detail of Physical Work
On Claim No. 359399 in
In Venturi Township

2.19566



May 1999

Figure : 2



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