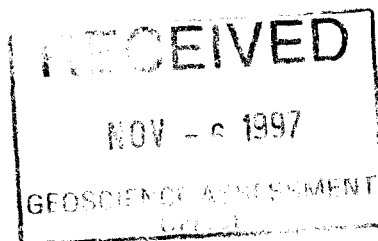


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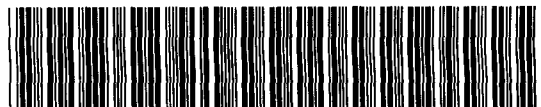
REPORT ON  
1996 PROSPECTING AND SAMPLING PROGRAM  
AND DIGITAL COMPILATION OF PREVIOUS EXPLORATION

MISHIBISHU PROPERTIES  
MISHI CREEK AND BIRCH BLOCKS  
SAULT STE. MARIE MINING DIVISION  
ONTARIO  
FOR  
MURGOR RESOURCES INC.



September, 1997  
Thunder Bay, ON

D.B. McKay  
J.G. Clark  
Clark-Eveleigh Consulting



42C03SW0049 2.17950 MISHIBISHU LAKE



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2. 17950

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## **INTRODUCTION**

Clark-Eveleigh Consulting was contracted by Murgor Resources Inc. in 1996 to conduct a multi-phase mineral exploration program on Murgor's Mishibishu Properties. The Mishibishu Properties comprise 4 claim blocks (the Macassa Creek, Mishi Creek, Birch and Missing Lake blocks) located within the Sault Ste. Marie Resident Geologist's District and the Sault Ste. Marie Mining Division (Figures 1 and 2).

This report provides background information regarding these properties, presents the results of a prospecting program conducted in 1996 on the Mishi Creek and Birch blocks and provides information regarding a digital compilation project initiated in 1996 to collate the results of previous exploration conducted on and around the properties. The digital compilation incorporates both public and proprietary information and will serve as a framework upon which future exploration will, in part, be based.

The information presented in this report has, to a large degree, been taken from the following unpublished reports prepared by Clark-Eveleigh Consulting: "Recommendations for Exploration on Murgor Resources Inc.'s Mishibishu Properties" (Clark 1996) and "Report on 1996 Prospecting and Sampling Program, Mishibishu Properties, Sault Ste. Marie Mining Division, Ontario, for Murgor Resources Inc." (McKay 1996).

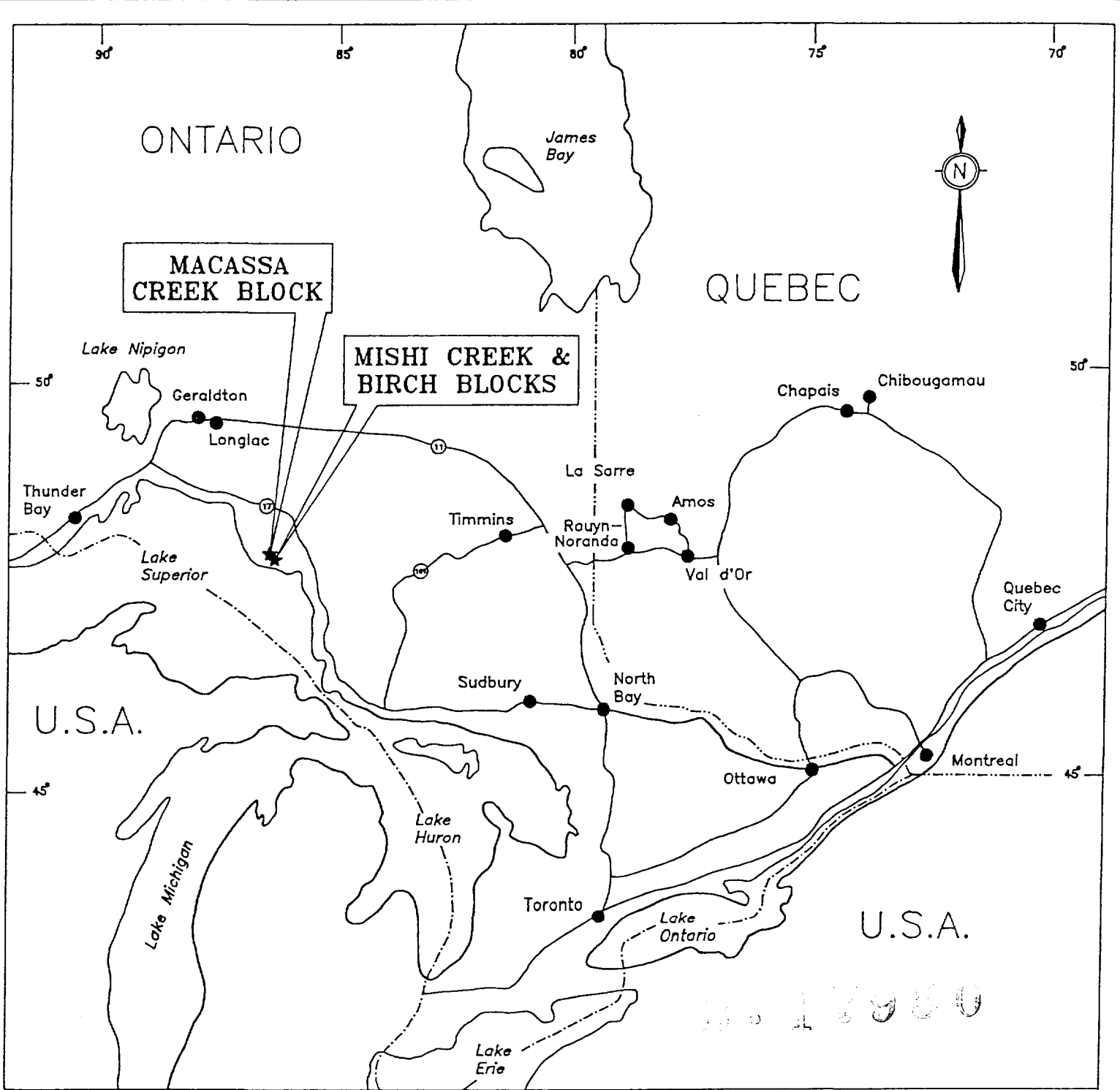
## **MISHIBISHU PROPERTIES (MISHI CREEK AND BIRCH BLOCKS)**

### Location and Access

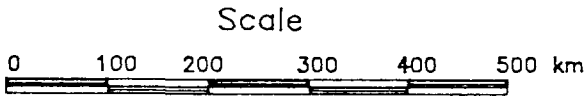
The Mishibishu Properties are located approximately 300 kilometres east of Thunder Bay and 50 kilometres southwest of Wawa within the Sault Ste. Marie Mining Division (Figure 1). The properties are centred on latitude 48 degrees, 02 minutes and longitude 85 degrees, 28 minutes and lie within NTS blocks 41N/14NW and 42C/03SW. They are recorded on the David Lake (G-3765), Mishibishu Lake (G-3772) and Point Isacor (G-3778) claim maps. The properties comprise four claim blocks (the Macassa Creek, Mishi Creek, Birch and Missing Lake blocks) accessible via the Eagle River Mine road which either crosses through or lies within 2 kilometres of the properties (Figure 2). The Eagle River Mine road departs southerly from Highway 17 approximately 50 kilometres west of Wawa. The properties are located between 35 and 45 kilometres south on the Eagle River Mine road. A power transmission line parallels the Eagle Mine road along its entire length.

The community of Wawa provides manpower, supplies and services to logging, mining and exploration industries currently active in the area. Wawa is easily accessed and provides rail, ship, road and air transportation facilities.

1996



100 18980



**MURGOR RESOURCES INC.**

MISHIBISHU PROPERTIES  
REGIONAL-SCALE LOCATION MAP

SCALE: 1:1 000 000      DATE: 03/01/97

**CLARK - EVELEIGH CONSULTING**

Figure #1

## Claims

The Mishi Creek and Birch blocks comprise 49 claims (143 units) and 13 claims (13 units), respectively, recorded in good standing within the Sault Ste. Marie Mining Division. The claims are located within the Mishibishu Lake (G-3772) and Point Isacor (G-3778) claim map areas and are shown in Figure 3 and tabulated below:

### Mishi Creek Block

SS 948165 (1 unit) SS 948166 (1 unit) SS 948167 (1 unit)  
SS 948168 (1 unit) SS 948169 (1 unit) SS 948170 (1 unit)  
SS 948171 (1 unit) SS 948172 (1 unit) SS 948173 (1 unit)  
SS 948174 (1 unit) SS 948175 (1 unit) SS 948176 (1 unit)  
SS 948185 (1 unit) SS 948186 (1 unit) SS 992176 (1 unit)  
SS 1037252 (1 unit) SS 1037616 (1 unit) SS 1025758 (1 unit)  
SS 1025759 (1 unit) SS 1025760 (1 unit) SS 1224837 (16 units)  
SS 1025761 (1 unit) SS 1025762 (1 unit) SS 1025763 (1 unit)  
SS 1025764 (1 unit) SS 1025768 (1 unit) SS 1025769 (1 unit)  
SS 1025770 (1 unit) SS 1026528 (1 unit) SS 1026529 (1 unit)  
SS 1026530 (1 unit) SS 1027230 (1 unit) SS 1027231 (1 unit)  
SS 1027232 (1 unit) SS 1027233 (1 unit) SS 1027234 (1 unit)  
SS 1208099 (9 units) SS 1208100 (3 units) SS 1208153 (16 units)  
SS 1208155 (6 units) SS 1208156 (15 units) SS 1208157 (12 units)  
SS 1208159 (1 unit) SS 1208160 (3 units) SS 1208195 (12 units)  
SS 1208197 (6 units) SS 1224642 (6 units) SS 1204866 (1 unit)  
SS 1224838 (1 unit) SS 1224839 (2 units) SS 1224840 (2 units)

### Birch Block

SS 924435 (1 unit) SS 924436 (1 unit) SS 924437 (1 unit)  
SS 924438 (1 unit) SS 924439 (1 unit) SS 924440 (1 unit)  
SS 1037242 (1 unit) SS 1037243 (1 unit) SS 1037244 (1 unit)  
SS 1037245 (1 unit) SS 1037246 (1 unit) SS 1037251 (1 unit)  
SS 1037251 (1 unit)

## Generalized Regional Geology

The late Archean Mishibishu Lake greenstone belt lies within the Wawa Subprovince of the Superior Structural Province (Figure 4). Volcanic rocks within the belt are dominated by one sequence of mafic (magnesium to iron tholeiite) massive to pillowed flows and associated pyroclastic units (Bowen 1986). Thin (1 to 5 metre wide) intermediate-felsic flows and pyroclastic rocks are intercalated with the mafic volcanic sequence. Interflow chemical (magnetite-chert, magnetite iron stone) and clastic sedimentary rocks (conglomerate-turbidites) mark quiescent and rapid uplift/erosional periods within the belt. Coarse-grained locally porphyritic mafic rocks have been interpreted as thick flows and/or sills and dikes. Felsic to intermediate sills, dikes and plutons occur locally within the belt and vary in composition (quartz-feldspar porphyritic granite to porphyritic diorite) and size.

External batholiths enclose the supracrustal rocks. These batholiths predate the supracrustal rocks and are complex and multiphase in composition. These rocks are locally gneissic and vary in texture from being well-foliated to massive. Their composition varies from diorite to muscovite-biotite-tonalite to hornblende granite.

A batholith, pluton and stock intrude the belt and form ovoid shaped bodies. The Bowman Lake Batholith is composed of massive to foliated biotite- and muscovite-biotite-granodiorite and granite (Bowen 1986). The Central Pluton is relatively homogeneous and composed of porphyritic biotite-monzogranite and granodiorite. The Mishibishu Lake Stock is massive and composed of a specular hematite- and magnetite-bearing monzonite to quartz monzonite.

Archean diabase dikes crosscut all rock units. The dikes are oriented northerly, northwesterly and to a lesser extent northeasterly.

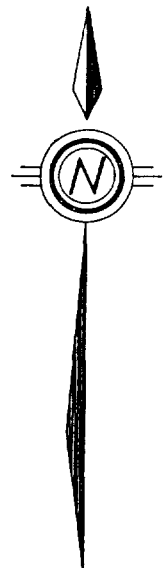
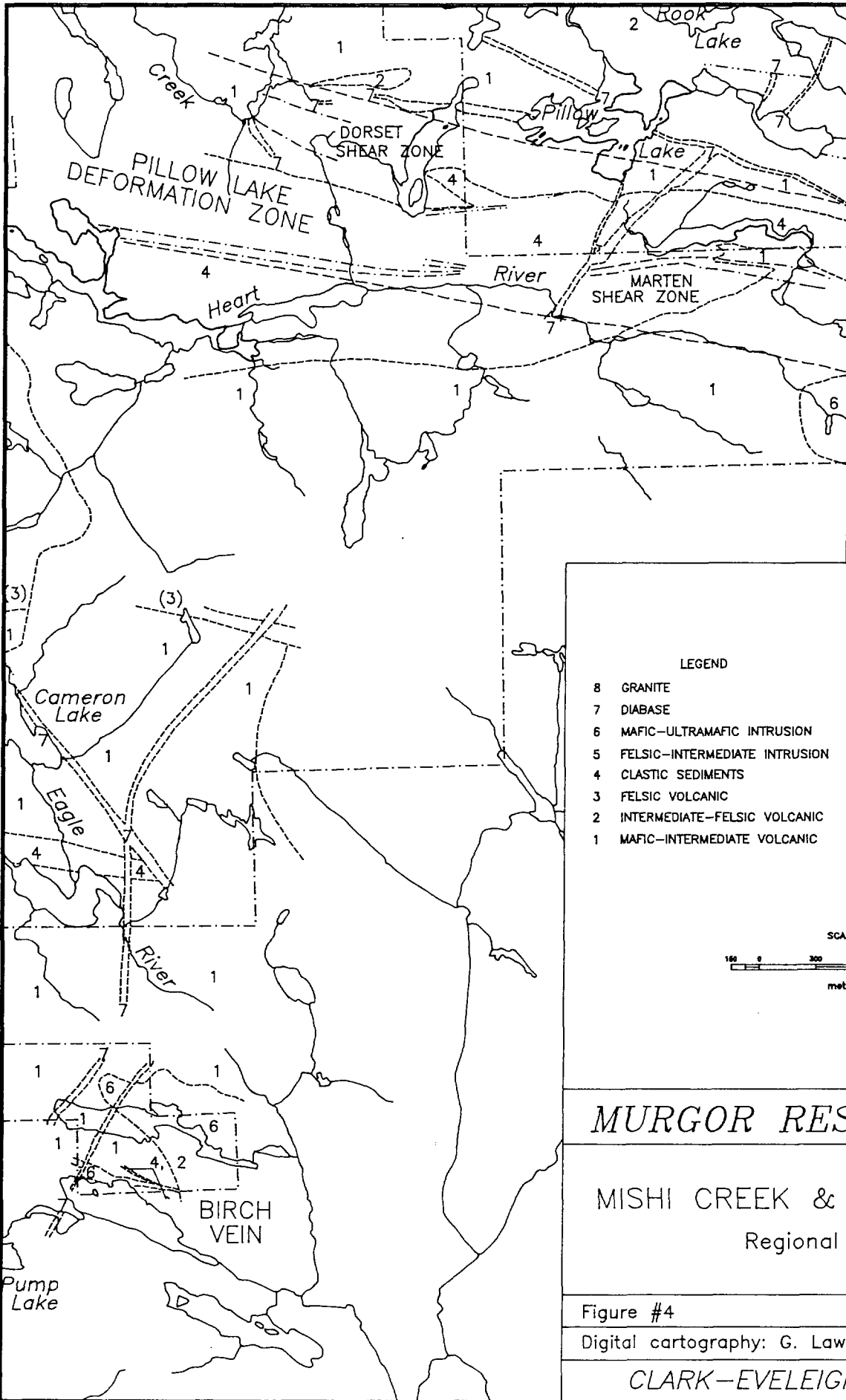
Regional metamorphism of the belt is of greenschist facies grade with amphibolite facies grade occurring at the contacts with the stocks and batholiths.

## Regional Gold Mineralization

Exploration completed from the mid-1980's to the present has located numerous gold occurrences and mineral reserves within the Mishibishu greenstone belt. The gold mineralization is associated with quartz veins and sulfides (arsenopyrite-pyrite-chalcopyrite-pyrrhotite-galena) within areas of high strain (shear zones) and intense alteration. Large-scale structures have been mapped by government geologists and exploration by private industry has located significant gold trends in the belt.

Gold mineralization commonly occurs within deformation zones localized along lithological contacts (Heather 1986). Alteration associated with these structures includes chlorite-carbonate (calcite-ankerite), chlorite-sericite and sericite-quartz. Individual deformation zones are commonly metres to hundreds of metres wide and tens of kilometres long. The Mishibishu Deformation Zone for example, has been traced along strike for over 20 kilometres and varies in width up to 500 metres (Heather 1986). Other large deformation zones include the Eagle River and Rook Lake zones.

The most significant gold mineralization located to date occurs within the Mishibishu Deformation Zone (the Mishi Deposit: 1.4 million tonnes @ 4.26 grams gold/ tonne) and the Eagle River Deformation Zone (the Eagle River Mine: 1.05 million tonnes @ 12.67 grams gold per tonne).



LEGEND

- 8 GRANITE
- 7 DIABASE
- 6 MAFIC-ULTRAMAFIC INTRUSION
- 5 FELSIC-INTERMEDIATE INTRUSION
- 4 CLASTIC SEDIMENTS
- 3 FELSIC VOLCANIC
- 2 INTERMEDIATE-FELSIC VOLCANIC
- 1 MAFIC-INTERMEDIATE VOLCANIC

SYMBOLS

- Property Boundary
- Geologic Contact
- Fault (interpreted)
- Shear Zone
- Pillow Lake Deformation Zone

SCALE



*MURGOR RESOURCES INC.*

MISHI CREEK & BIRCH BLOCKS  
Regional Geology

Figure #4

Scale: 1:30 000

Digital cartography: G. Laws

Date: 03/01/97

*CLARK-EVELEIGH CONSULTING*



Exploration conducted during the 1980's located numerous smaller gold showings in the various named and unnamed deformation zones within the belt. These showings have received varying amounts of exploration and/or development since their discovery.

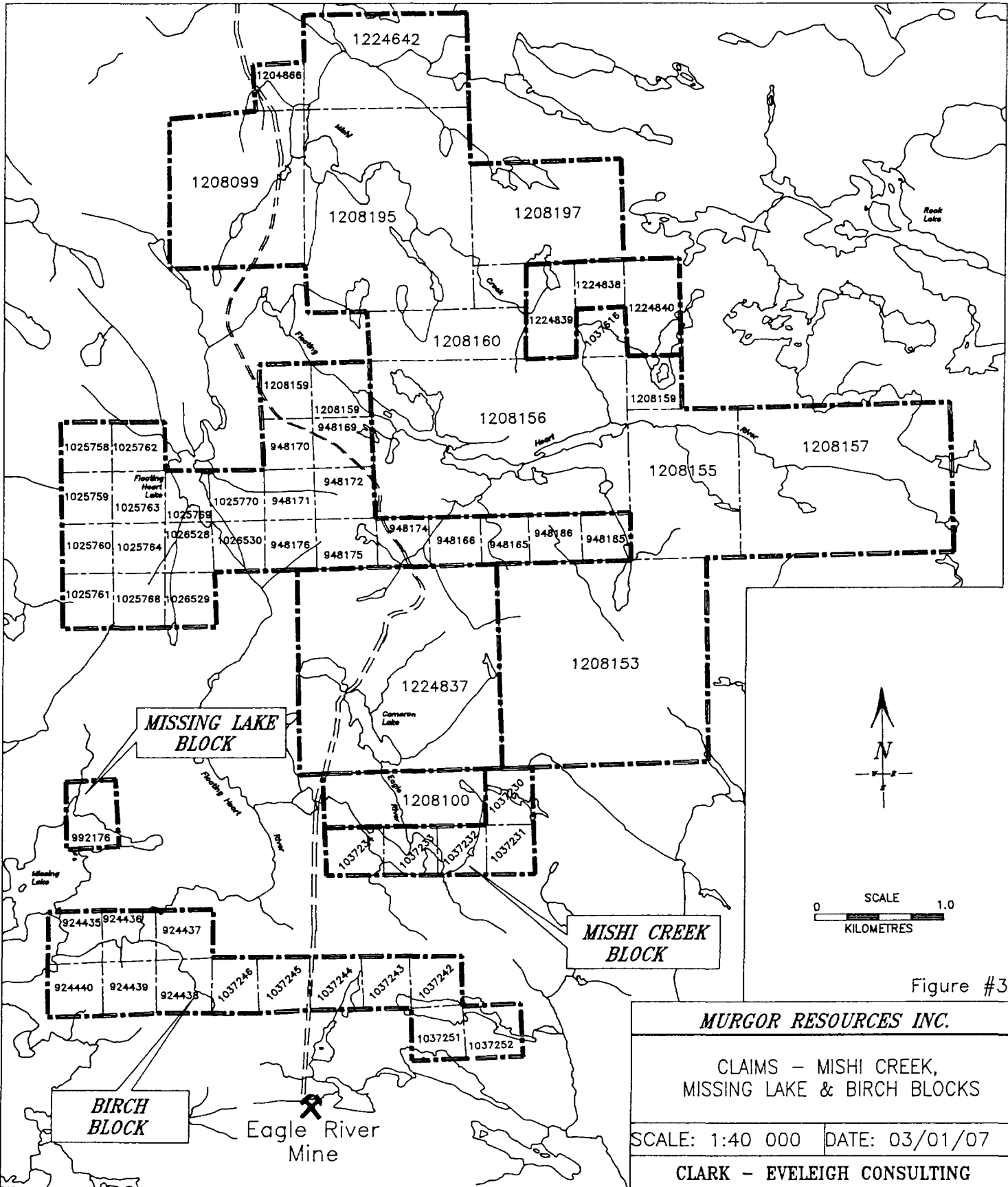
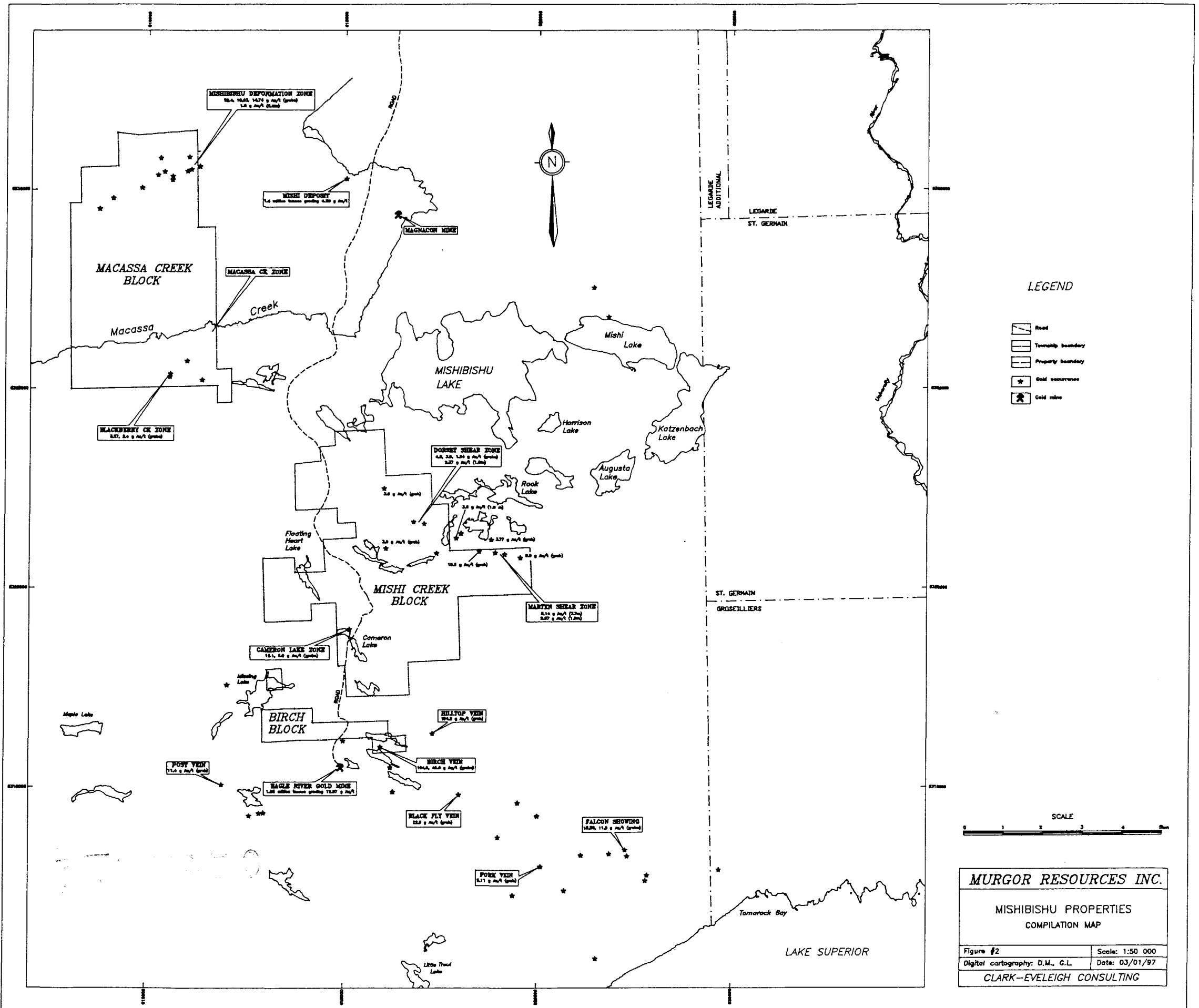


Figure #3

<b>MURGOR RESOURCES INC.</b>	
CLAIMS - MISHI CREEK, MISSING LAKE & BIRCH BLOCKS	
SCALE: 1:40 000	DATE: 03/01/07
CLARK - EVELEIGH CONSULTING	



**MISHI DEFORMATION ZONE**  
 10.4, 10.5, 14.7 & 14.8 (Grnd)  
 2.8 g Au/t (Grnd)

**MISHI DEPOSIT**  
 1.6 million tonnes grading 4.20 g Au/t

**MAGNACON MINE**

**MACASSA CREEK BLOCK**

**MACASSA CR ZONE**

**MACKENZIE CR ZONE**  
 2.07, 2.6 g Au/t (Grnd)

**DORNEY SHEAR ZONE**  
 4.8, 2.8, 1.24 & 1.04 (Grnd)  
 2.27 g Au/t (Grnd)

**MARTIN SHEAR ZONE**  
 0.14 g Au/t (7.2m)  
 2.87 g Au/t (7.2m)

**CAMERON LAKE ZONE**  
 14.1, 8.8 g Au/t (Grnd)

**BIRCH BLOCK**

**HILLTOP VEIN**  
 10.4, 8.8 g Au/t (Grnd)

**BIRCH VEIN**  
 10.4, 8.8 g Au/t (Grnd)

**POST VEIN**  
 11.4 g Au/t (Grnd)

**EAGLE RIVER GOLD MINE**  
 1.26 million tonnes grading 12.87 g Au/t

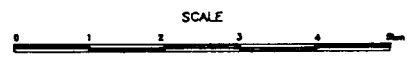
**BLACK FLY VEIN**  
 22.0 g Au/t (Grnd)

**FALCON SHOWING**  
 14.29, 11.8 g Au/t (Grnd)

**PORK VEIN**  
 8.11 g Au/t (Grnd)

**LEGEND**

- Road
- Township boundary
- Property boundary
- Gold occurrence
- Gold mine



**MURGOR RESOURCES INC.**

MISHIBISHU PROPERTIES  
 COMPILATION MAP

Figure #2	Scale: 1:50 000
Digital cartography: D.M., G.L.	Date: 03/01/97

CLARK-EVELEIGH CONSULTING

## Previous Exploration

The Mishibishu Lake greenstone belt has been explored intermittently since gold was first discovered in the area by Hollinger Gold Mines Ltd. in the 1930's. The discovery of the Hemlo gold deposit in the early 1980's initiated significant amounts of exploration in the Mishibishu Lake greenstone belt culminating in the development of the Eagle River Gold Mine. Sporadic exploration has also been conducted in the belt for base metals but, to date, no economic deposits have been discovered.

Previous work filed for assessment credit and archived in the Sault Ste. Marie Resident Geologist's Office in Sault Ste. Marie includes:

### Mishi Creek Block

1970: Falconbridge Nickel Mines Ltd. completed an airborne geophysical (electromagnetic and magnetic) survey over the eastern portion of the present block to define potential base metal targets.

1972: Asarco Exploration Company of Canada completed a diamond drill program (4 holes totalling 300 metres) testing base metal targets located just north of the Cameron Lake area.

1978: Noranda Exploration Company Ltd. completed a ground geophysical (magnetic-electromagnetic) survey exploring for base metals over the central portion of the claim block.

1980: Amoco Canada Petroleum completed a base metal exploration program north of Cameron Lake. The work included geological mapping and diamond drilling (4 holes totalling 380 metres).

1983: Dominion Explorers Inc. completed a regional airborne geophysical (magnetic-electromagnetic) survey. Follow-up exploration on the present claim blocks included ground geophysical surveys (magnetics-electromagnetics), geological mapping and geochemical sampling.

1987-

1988: Dominion Explorers Inc. completed soil geochemical survey over the Cameron Lake Area and conducted diamond drilling (4 holes totalling 272 metres) on the Dorset property.

1988-

1990: Noranda Exploration Company Ltd. optioned the Dominion Explorers Inc. ground and completed geological mapping, geophysical survey (induced polarization-magnetics-VLF-EM), soil geochemical surveys, stripping, prospecting and diamond drilling (21 holes totalling 2208 metres). This exploration located numerous new gold occurrences on the present claim blocks. The diamond drill program was completed on the Marten and Missing Lake claim blocks.

## Birch Block

1983: Dominion Explorers Inc. completed a large-scale airborne geophysical (magnetics-electromagnetic) survey which included the present claim block.

1989-

1990: Noranda Exploration Company Ltd. completed prospecting, a ground magnetic survey, soil sampling, hand stripping and diamond drilling on a large block which included the present claim block.

## Property Geology

The Mishi Creek and Birch blocks are located within the Mishibishu Lake greenstone belt and are underlain by rocks and structures favourable to host gold mineralization similar to that found at the Eagle River Mine (1.05 million tonnes @ 12.67 grams gold per tonne) and the Mishi Deposit (1.4 million tonnes @ 4.26 grams gold per tonne). The geology of the Mishi Creek and Birch blocks is summarized below:

These blocks are underlain by easterly-trending intercalated sequences of mafic to intermediate volcanic rocks, clastic sedimentary rocks and siliceous iron formation. The volcanic rocks comprise massive flows with minor tuffaceous horizons. The clastic sedimentary rocks include greywackes and minor conglomerates. The lean iron formation units are generally <3 metres thick except in the vicinity of Cameron Lake where geophysical surveys indicate widths of up to 200 metres. All rock types are cross-cut by northwest and westerly trending diabase dikes.

Shear zones and larger deformation zones are located along lithologic contacts. The dominant direction of shearing is easterly with secondary northwesterly trending cross-cutting shears. The sericite, carbonate, chlorite, sulfide (pyrite, pyrrhotite and arsenopyrite) and quartz vein bearing shears are up to 100 metres wide with strike lengths of up to 2 kilometres.

Gold mineralization on the blocks has been located within westerly and northwesterly trending shear and deformation zones. Alteration and quartz veining varies along strike within these deformation zones. The sulfides present within the altered shear zones include pyrite, pyrrhotite and fine-grained arsenopyrite. The pyrite and arsenopyrite-bearing quartz veins vary in width up to 1.5 metres and are generally <100 metres long. Gold mineralization occurs within both the quartz veins and the altered host rocks. The shear zones hosting the gold mineralization pinch and swell along strike.

The metamorphic grade of the supracrustal rocks comprising the blocks is upper greenschist facies.

## Property Gold Mineralization

Exploration completed in the 1980's located numerous gold showings on Murgor Resources Inc.'s Mishibishu Properties. This exploration included a limited amount of diamond drilling that confirmed, in most cases, the depth continuity of the surface mineralization. The gold mineralization discovered to date on the Mishi Creek and Birch blocks is summarized below:

## Mishi Creek Block

Gold mineralization on the Mishi Creek Block occurs within the Dorset Shear Zone, the Marten Shear Zone and the Cameron Lake Zone.

The Dorset Showing located within the Dorset Shear Zone consists of pyrite, pyrrhotite and arsenopyrite-bearing silica- and carbonate-altered, sheared intermediate to mafic volcanic rocks. Stripped areas of mineralization returned assay values of 2.89, 1.14, 1.03 and 1.2 grams gold per tonne over 2.9, 3.0, 1.0 and 2.0 metres respectively. Diamond drilling completed prior to stripping did not return comparable values. The stripping revealed foliation-cross cutting silica alteration which may correspond to a different trend of gold mineralization than that tested by drilling.

Within the Marten Shear Zone, gold mineralization occurs along the contact between volcanic and sedimentary rocks. This sericite, chlorite, carbonate and silica-altered, sulfide-(pyrite, pyrrhotite and arsenopyrite) bearing shear zone contains quartz veins ranging from <0.10 to 1.5 metres wide and up to 100 metres long. The Marten shear zone has been traced intermittently along strike for over 2.0 kilometres and varies in width up to 25 metres. Exploration of the shear zone has included stripping and limited amounts of diamond drilling (21 holes totalling 2208m). Grab samples collected along the strike of the shear zone have returned assays of 8.9, 18.5 and 1.6 grams gold per tonne and trench samples have returned values of 3.77 and 1.03 grams gold per tonne over 0.7 and 1.2 metres respectively. Diamond drilling of 13 short diamond drill holes (over approximately 1.0 kilometres of strike length returned values of 2.57, 2.7, 1.03, 2.16 and 5.14 grams gold per tonne over 1.0, 2.0, 1.0, 5.0 and 7.7 metres respectively. The full strike extent of the Marten Shear Zone has not been fully evaluated.

Within the Cameron Lake Zone, easterly trending interbeds of arenite and siliceous iron formation containing pyritic (trace to 2%) quartz veins host gold mineralization. Limited sampling within this zone has returned values of 14.4, 7.83, 2.07 and 8.9 grams gold per tonne from grab samples. The extent of this gold mineralization has not been fully evaluated.

## Birch Block

Within the Birch Block, a gold-bearing quartz vein termed the Birch Vein has been discovered. This northwest trending, <1.0 metres wide sucrosic quartz vein has been exposed for 25 metres along strike. This sulfide (1-2% pyrite and arsenopyrite)- bearing quartz vein is hosted by blue quartz-eye phyrlic felsic tuff. Sampling of the vein has returned 193.9 and 48.34 grams gold per tonne from grab samples and 7.44 and 4.63 grams gold per tonne over 0.8 and 1.0 metre respectively from chip samples. The extent and continuity of the Birch vein have not been fully evaluated.

## 1996 PROSPECTING PROGRAM

### Purpose

During the fall of 1996, Clark-Eveleigh Consulting conducted a prospecting and sampling program on Murgor Resources Inc.'s Mishibishu properties (i.e.: the Mishi Creek Block, the Birch Block and the Macassa Block). The prospecting and sampling program was initiated in order to:

1. Determine the location of previously documented gold occurrences relative to the new grids recently cut on the properties.
2. Determine the accessibility of these occurrences.
3. Attempt to corroborate previously reported assay values for samples collected from these occurrences.
4. Assess the validity of previous interpretations of the geology of these occurrences.
5. Discover new mineral occurrences and/or extensions to previously known occurrences.

### Work Conducted

The properties examined during this program include the Birch Block (Birch Vein), the Macassa Creek Block (Mishibishu Deformation Zone) and the Mishi Creek Block (Dorset Shear Zone, Marten Shear Zone and the Cameron Lake Zone).

The prospecting and sampling was performed by D. McKay (geologist), B. Nelson (geologist), M. Grieve (prospector) and M. Veltri (prospector). The work was conducted from October 8 to 11 and from October 18 to 22.

Thirty-six man-days were spent conducting the program (i.e.: 30 man-days on the Mishi Creek and Birch blocks and 6 man-days on the Macassa Creek Block) and 142 grab samples were collected and assayed to determine their gold content and in several instances their base metal content (i.e.: 122 samples from the Mishi Creek and Birch blocks and 20 samples from the Macassa Block). The assay results for the samples collected from the Mishi Creek and Birch blocks are given in Appendices A and B and are summarized below.

## Results

### Mishi Creek Block

#### Marten Shear Zone

Eight trenches (MLT-6(?), 7, 8, 9, 13, 14, 15 and 18) emplaced along the Marten Shear Zone by Noranda in 1989 were located, sampled and tied into the grid recently cut on this property. Twenty-two grab samples (33483-33488, 11278-11293) were collected from these trenches and assayed. The gold content of these samples varies from <5 ppb to 4.3 g/t. These results fall within the range of previously reported values (i.e.: up to 8.9 g/t) and confirm the presence of anomalous amounts of gold in this area. It should be noted that trench MLT-18 is now slumped-in and water-filled and could not be sampled.

#### Floating Heart Creek

A new base metal occurrence containing visible sphalerite and galena was discovered along the shore of the floating Heart Creek approximately 2 km west of the Marten Shear Zone. The base metal mineralization is hosted within a narrow, brecciated quartz vein and is located near grid co-ordinates 29+25E and 104+31N. Eight grab samples (33475-33482) were collected from this occurrence and were assayed to determine their gold, silver, zinc, lead and copper content. The gold content of these samples varies from <5 ppb to 241 ppb; the silver content varies from <1 ppm to 4 ppm; the zinc content varies from 6 ppm to >10000 ppm; the lead content varies from 3 ppm to 1704 ppm and the copper content varies from 3 ppm to 340 ppm.

Five grab samples (27451, 27452, 33473, 33474, 11294) were collected from 3 other quartz veins located along the Floating Heart Creek. The gold content of these samples varied from <5 ppb to 14 ppb.

#### Dorset Shear Zone

Three trenches (MLT-3, 4 and 5) emplaced along the Dorset Shear Zone by Noranda in 1989 were located, sampled and tied into the grid recently cut on this property. Another trench, moss-covered and of unknown vintage, located approximately 600m west of trench MLT-3 was also sampled. Nineteen grab samples (27432-27450) were collected from these trenches and assayed. The gold content of these samples varies from <5 ppb to 2.3 g/t. These results fall within the range of previously reported values (i.e.: up to 5.66 g/t) and confirm the presence of anomalous amounts of gold in this area.

#### Cameron Lake Zone

The Clyde showing, which reportedly contains up to 14.4 g/t gold was not located during the present program. This showing may have been buried during the construction of the access road to the Eagle River Mine and/or during the construction of the bunk-houses and other buildings located along the north side of Cameron Lake.



In an attempt to determine the potential of the iron formations located in this area to host gold mineralization, 42 grab samples (11295-11300, 27418-27431, 33451-33472) were collected and assayed. The gold content of these samples varies from <5 ppb to 1.5 g/t. Although substantially lower than previously reported values, these results confirm the presence of anomalous amounts of gold in this area.

#### Birch Block

#### Birch Vein

The Birch Vein occurrence was located and its position determined relative to a known survey post (no new grid has been established on this property). Twenty-six grab samples (11269-11277, 27401-27417) were collected from the Birch Vein and the surrounding area. The gold content of these samples varies from <5 ppb to 51.4 g/t. These results fall within the range of previously reported values (i.e.: up to 194.0 g/t) and confirm the presence of anomalous amounts of gold in this area.

A new gold occurrence grading 8.1 g/t was discovered approximately 130m along strike to the northwest from the original Birch Vein occurrence. Rock exposure between these 2 isolated occurrences is poor. Stripping and additional sampling are required in order to fully understand the nature and extent of the gold mineralization in this area.

#### Conclusions

1. The locations of several previously documented gold occurrences have been established relative to recently cut grids. These include occurrences located within the Birch Block, the Macassa Creek Block and the Mishi Creek Block.
2. Pre-existing drill roads and skidder trails can be used to access many of these occurrences. Several creeks, must be crossed in order to reach these occurrences but these are generally shallow (<1m deep) and may be easily traversed by heavy equipment (bridges may be required in sensitive areas).
3. The samples collected during the present program returned assay values that are generally in good agreement with previously reported values and corroborate the presence of anomalous amounts of gold on these properties.
4. The geology observed during the present program was generally in good agreement with previously reported interpretations.
5. A new gold occurrence grading 8.1 g/t was discovered on the Birch Block and may represent the northwest extension of the Birch Vein.

A new quartz vein-hosted base metal occurrence containing visible sphalerite and galena was discovered on the Mishi Block approximately 2 km west of the Marten Shear Zone. Assay results for this occurrence vary up to >10000 ppm Zn and 1704 ppm Pb.

**APPENDIX A**

**SAMPLE DESCRIPTIONS AND ASSAY RESULTS**

BIRCH BLOCK (Birch Vein)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
11269	original showing 175m E, 55m N of #3 wit post clm 1037251	int-felsic xtal tuff (?)	wk sil, 1% py	hanging wall	60
11270	original showing 175m E, 55m N of #3 wit post clm 1037251	QV	mod bio, 1-2% py, <1% asp, VG	brecciated and recrystallized, 25 cm wide	51424
11271	original showing 175m E, 55m N of #3 wit post clm 1037251	QV	tr py	rusty-weathering, 1m wide	<5
11272	original showing 175m E, 55m N of #3 wit post clm 1037251	QV		5% mafic seams, 50 cm wide	<5
11273	original showing 175m E, 55m N of #3 wit post clm 1037251	int xtal tuff (?)	wk carb, wk bio, tr py		23
11274	original showing 175m E, 55m N of #3 wit post clm 1037251	int-felsic xtal tuff (?)	strg sil, mod carb, <1% py	footwall host to 11275	<5
11275	original showing 175m E, 55m N of #3 wit post clm 1037251	QV		rusty-weathering no visible sulphides, 1m wide	<5
11276	original showing 175m E, 55m N of #3 wit post clm 1037251	QV	tr py	3 cm wide, glassy white, rusty-weathering	<5
11277	original showing 175m E, 55m N of #3 wit post clm 1037251	QV		no visible sulphides, 50 cm wide	<5
27401	original showing, hanging wall, 175m E, 55m N of #3 wit post clm 1037251	int-felsic ash tuff (?)	wk sil, wk ser, wk chl, <1% py		<5
27402	original showing, hanging wall, 175m E, 55m N of #3 wit post clm 1037251	int-felsic ash tuff (?)	mod ser, wk carb, 1-2% py		16

BIRCH BLOCK (Birch Vein)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
27403	original showing, hanging wall, 175m E, 55m N of #3 wit post clm 1037251	int-felsic ash tuff (?)	mod ser, mod sil, tr py		371
27404	38m E, 27m N of #3 wit post clm 1037255, lakeshore, 77m SE of original showing	QV	<1% py	10% chloritic inclusions, 10 cm wide	<5
27405	38m E, 27m N of #3 wit post clm 1037255, lakeshore, 77m SE of original showing	QV	<1% py, tr cpy	20% mafic inclusions, 10 cm wide	6
27406	120m NW of original showing lakeshore, 77m SE of original showing	QV	tr py	1 cm wide	5
27407	120m NW of original showing	int ash tuff (?)	strg ser, <1% py	strg foliated	40
27408	120m NW of original showing	QV	tr py	5% chloritic inclusions, 20 cm wide	5
27409	120m NW of original showing	int ash tuff (?)	strg ser, strg chl, <1% py		11
27410	120m NW of original showing	QV	tr py	10-20% chloritic inclusions, 5 cm wide	5
27411	125m NW of original showing	QV	1% py	local clots of massive py up to 2 cm across, 15 cm wide	25
27412	130m NW of original showing	int ash tuff (?)	mod sil, 1% py	20% cm-scale QV's	44

BIRCH BLOCK (Birch Vein)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
27413	7m SW of sample 27412	QV	tr py	limb of 3 cm wide ptygmatically folded vein	38
27414	7m SW of sample 27412	QV	tr py	5 cm wide nose of folded vein, FA 305°/51°	8106
27415	165m NW of original showing	QV		no visible sulphides, 15%	5
27416	165m NW of original showing	int ash tuff (?)	strg ser, wk carb, <1% py		40
27417	400m NW of original showing	QV	<1% py	locally rusty-weathering, 20 cm wide, blue-grey	<5

MISHI CREEK BLOCK (Marten Shear Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
11278	trench MLT-7 52+50E, 105+98N	felsic sill (?)	tr py	1m wide, rusty- weathering	<5
11279	trench MLT-7 52+50E, 105+98N	chlorite schist	tr py	strg foliated, host to 11278	<5
11280	trench MLT-7 52+65E, 106+32N	felsic sill (?)	tr py	1.5m wide, cherty	<5
11281	trench MLT-7 52+65E, 106+32N	chlorite schist	tr py	strg foliated, rusty- weathering	<5
11282	trench MLT-7 52+70E, 106+55N	QV	1% py, tr asp chloritic fracture fillings	1m wide, sugary grey- white	17
11283	trench MLT-7 52+75E, 106+61N	QV		50 cm wide, sugary grey-white, vuggy	<5
11284	trench MLT-7 52+75E, 106+61N	biotite-quartz feldspar schist	strg carb, wk sil, tr py	host to 11283	<5
11285	trench MLT-7 52+80E, 106+63N	QV	1-2% py	50 cm wide, sugary grey-white, 10% magnetic wallrock inclusions	391
11286	trench MLT-8 53+00E, 106+50N	QV	1-2% py ± asp, wk carb	2m wide, sugary grey- white, rusty weathering	778
11287	trench MLT-8 53+00E, 106+50N	chlorite schist	wk carb, <1% py	host to 11286 strg foliated	323
11288	trench MLT-9 53+25E, 106+60N	chlorite schist	mod sil, strg carb, <1% py ± asp	rusty-weathering	1915
11289	trench MLT-9 53+30E, 106+72N	QV	wk carb, 1% py ± asp	15cm wide, sugary grey-white	241
11290	trench MLT-9 53+30E, 106+72N	chlorite schist	tr py	host to 11289, strg foliated, rusty- weathering	200
11291	trench MLT-6(?) 38+95E, 107+18N	QV	tr py	sugary grey-white, vuggy, rusty- weathering, 1m wide	45

MISHI CREEK BLOCK (Marten Shear Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
11292	trench MLT-6(?) 38+95E, 107+21N	QV	tr py	sugary grey-white, 1m wide, rusty- weathering	19
11293	trench MLT-6(?) 38+95E, 107+19N	chlorite schist	strg carb, <1% py	strg foliated, host to 11293	101
33483	57+30E, 105+50N	chlorite schist	mod sil, 1% py ± asp	strg foliated, rusty- weathering, intruded by 5 cm wide QV	4285
33484	trench MLT-14 57+30E, 105+50N	chlorite schist	wk sil, <1% py ± asp	strg foliated	6
33485	trench MLT-14 57+40E, 105+90N	chlorite schist	wk sil, wk carb, tr py	strg foliated	<5
33486	trench MLT-13 55+08E, 106+17N	chlorite schist	wk sil, <1% py ± asp	strg foliated, rusty- weathering	737
33487	trench MLT-9 53+00E, 105+85N	chlorite schist	1-2% py	rusty-weathering	9
33488	trench MLT-9 53+00E, 105+85N	felsic sill (?)	tr py	25 cm wide	<5

MISHI BLOCK (Cameron Lake Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
11295	19+95E, 94+15N	arenaceous metased	wk sil, tr py	rusty-weathering schistose	<5
11296	20+30E, 92+85N	BIF	1-2% py	strg mag, rusty- weathering	6
11297	20+60E, 92+84N	felsic dyke (?)	tr py	30 cm wide	<5
11298	20+60E, 92+84N	BIF		complexly folded, strg mag	<5
11299	20+30E, 92+88N	BIF	3-5% py	2 cm wide shear zone, strg mag	68
11300	19+88E, 90+95N	cherty metased	2-3% py	rusty-weathering	21
27418	20+97E, 93+85N gravel pit	QV	3% py	1m wide, boudinaged	15
27419	20+95E, 93+90N gravel pit	mafic volcanic	mod sil, 3% py, 1-2% asp (?)	rusty weathering	<5
27420	20+97E, 93+85N gravel pit	BIF	strg sil, 35% py		18
27421	24+78E, 93+50N	QV	10% mafic inclusions	glassy, blue-grey, no visible sulphides, BIF host	878
27422	24+81E, 93+50N	QV	5% mafic inclusions	2-3 cm wide, glassy grey-white, no visible sulphides BIF host	1508
27423	27+25E, 92+95N	BIF	tr py	rusty-weathering strg mag	30
27424	25+75E, 94+25N	QV		3 cm wide, folded, glassy grey, hosted in BIF	11
27425	25+65E, 94+25N	BIF	tr py	rusty-weathering	<5



MISHI BLOCK (Cameron Lake Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
27426	24+75E, 94+50N	BIF		cherty, rusty-weathering, mag	<5
27427	22+95E, 94+75N	BIF		strg foliated mag	16
27428	22+20E, 95+00N	QV		float, glassy, iron-stained	<5
27429	22+25E, 94+90N	QV		4 cm wide, glassy, dark grey	<5
27430	21+30E, 93+90N gravel pit	QV	20% py localized in stringers	20 cm wide, at contact between BIF and mafic volcanics	54
27431	21+03E, 93+93N gravel pit	QV	30% po, 3% py	rusty-weathering, sugary grey quartz pod hosted in mafic volcanics	12
33451	19+99E, 91+30N	QV	tr py	grey-white, 10 cm wide	<5
33452	19+99E, 91+30N	BIF	tr py	host to 33451, rusty-weathering	7
33453	18+45E, 89+40N	QV	tr py	10 cm wide, glassy grey-white	<5
33454	18+45E, 89+40N	chlorite schist	tr py	host to 33453, strg foliated, rusty-weathering	6
33455	17+00E, 89+05N	QV	rusty fractures	glassy, grey-white, 30 cm wide	<5
33456	17+00E, 89+05N	chlorite schist	mod sil, tr py	host to 33455	32
33457	13+40E, 92+50N	BIF	tr py	rusty-weathering, mod mag	<5
33458	13+01E, 93+00N	BIF	wk sil, wk ser, wk chl, tr py	rusty-weathering, strg foliated, wk mag	9

MISHI BLOCK (Cameron Lake Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
33459	13+29E, 93+10N	QV		10 cm wide, hosted in BIF, rusty-weathering	<5
33460	13+50E, 93+05N	QV		numerous narrow QV's in chert	<5
33461	13+65E, 93+04N	BIF	tr py ± po	rusty-weathering	<5
33462	13+65E, 93+04N	QV	5-10% veg py	rusty-weathering, vuggy	9
33463	18+26E, 94+20N	QV	tr py	1 cm wide, glassy blue-grey	<5
33464	18+15E, 94+20N	QV	5-10% py, rare asp	1m wide, vuggy, sugary grey-white	15
33465	18+17E, 94+21N	QV	5--10% py	sugary, 1m wide, vuggy	31
33466	18+17E, 94+22N	QV	tr py	sugary, grey-white, 1m wide	<5
33467	18+18E, 94+20N	QV	<1% py	sugary, grey-white, 1m wide	15
33468	18+18E, 94+20N	QV	10% py	1m wide, sugary, grey-white	7
33469	17+45E, 94+25N	QV	tr py	1 cm wide, glassy blue-grey	7
33470	14+25E, 93+60N	BIF		strg mag, rusty-weathering	160
33471	12+25E, 92+30N	QV	tr py	25 cm wide, grey-white	<5
33472	12+00E, 92+27N	QV	2-3% py	angular float, brecciated	13

MISHI CREEK BLOCK (Floating Heart Creek)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	ASSAY RESULTS				
					Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
11294	32+80E, 106+75N	QV		2.5m wide, sugary grey-white, strg fractured	<5				
33473	17+55E, 106+25N	QV		20 cm wide, glassy grey, rusty-weathering	<5				
33474	17+55E, 106+25N	chlorite schist	tr py	strg foliated, host to 33473	<5				
33475	29+30E, 104+33N	QV	1% py ± gn ± sph	20 cm wide, glassy grey-white, numerous angular wall rock inclusions, locally vuggy	29	<1	3	6	6
33476	29+30E, 104+33N	chlorite schist	strg carb, tr py	strg foliated, host to 33475	<5				
33477	29+30E, 104+35N	QV	tr py	5 cm wide, sugary, rusty-weathering	<5				
33478	29+25E, 104+31N	QV	1-2% sph ± gn ± py	10 cm wide, white	241	3	150	11	>10,000
33479	29+25E, 104+31N	chlorite schist	mod carb, tr py	host to 33478, strg foliated, brecciated locally	<5	4	167	3	488
33480	29+20E, 104+31N	QV	2-3% sph ± gn ± py	15-20 cm wide, glassy grey-white, vuggy and drusy	38	2	138	296	>10,000
33481	29+15E, 104+29N	QV	<1% py	10 cm wide, glassy grey-white	166	>1	33	126	40
33482	29+15E, 104+29N	chlorite schist	mod sil, 1% py ± sph ± gn, rare bornite	brecciated, cemented with quartz	14	4	340	1704	5680
27451	32+50E, 106+40N	QV		2.5m wide, sugary grey-white, strg fractured	<5				
27452	29+15E, 104+25N	QV		1m wide, sugary white	14				

## MISHI CREEK BLOCK (Dorset Shear Zone)

## Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
27432	moss covered trench 26+00E, 110+00N	chlorite schist	strg sil	location approximate	<5
27433	trench MLT-3 31+68E, 115+61N	chlorite schist	wk sil	no visible sulphides	219
27434	trench MLT-3 31+68E, 115+62N	felsic volcanic	strg sil, mod carb, 3% py	possibly intrusive dyke (?)	2347
27435	trench MLT-3 31+68E, 115+61.5N	int-felsic volcanic	3-5% py, <1% asp, wk chl	possibly intrusive dyke (?)	1594
27436	trench MLT-3 31+71E, 115+67N	int volcanic	strg sil, 1% py	rusty weathering, mod mag	288
27437	trench MLT-3 31+71E, 115+67.5N	int-felsic volcanic	strg sil, 1% py, tr asp (?)	possibly a silicified mafic volcanic	199
27438	trench MLT-3 31+73E, 115+70N	mafic volcanic	strg sil, wk carb, wk chl, 1-2% py	hint of fragments on weathered surface	252
27439	trench MLT-3 31+77E, 115+73N	int volcanic (?)	wk sil, strg carb, 1-2% py	hint of fragments on weathered surface	362
27440	trench MLT-3 31+76E, 115+75N	mafic-int volcanic	mod sil, wk chl, 1% py	strg foliated, rusty- weathering	43
27441	trench MLT-3 31+77E, 115+81N	int volcanic	strg sil, mod carb, 1% py, tr asp	rusty-weathering	115
27442	trench MLT-3 31+80E, 115+82N	int volcanic	strg sil, mod carb, wk ser, 2-3% py	rusty-weathering	1024
27443	trench MLT-3 31+80E, 115+85N	int volcanic	strg sil, mod carb, 3-5% py, <1% asp	rusty-weathering	690
27444	trench MLT-3 31+61E, 115+59N	felsic dyke		no visible sulphides	134
27445	trench MLT-3 31+86E, 115+99N	QV	<1% py	sugary vein + volcanic host	138

MISHI CREEK BLOCK (Dorset Shear Zone)  
Grab Samples

SAMPLE NO.	LOCATION	ROCK TYPE	ALTERATION/MINERALIZATION	COMMENTS	GOLD ASSAYS (ppb)
27446	trench MLT-3 31+88E, 116+02N	chlorite schist	mod carb, 1% py	strg foliated	690
27447	trench MLT-3 31+88E, 116+05N	quartz-sericite- chlorite schist	1% py, tr asp(?)	strg foliated, rusty- weathering	<5
27448	trench MLT-5 34+70E, 114+51N	mafic volcanic	mod sil, 1% py, <1% po	rusty-weathering	449
27449	trench MLT-5 34+70E, 114+52N	mafic volcanic	strg sil, <1% py ± po	rusty-weathering	1272
27450	trench MLT-5 34+72E, 114+56N	mafic volcanic	wk sil, wk chl, 3% py, 1% asp	rusty-weathering	8

**APPENDIX B**  
**ASSAY CERTIFICATES**



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

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CLARK-EVELEIGH CONSULTING  
1000 ALLOY DRIVE  
THUNDER BAY, ONTARIO  
P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

## REASSAY

Accurassay	SAMPLE #	Customer	Gold ppb	Gold Oz/t
1		11270	48212	1.406

Certified By: \_\_\_\_\_

*[Handwritten Signature]*



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CLARK-EVELEIGH CONSULTING  
1000 ALLOY DRIVE  
THUNDER BAY, ONTARIO  
P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
150	27352	27	<0.001
151 Check	27352	24	<0.001
152	27353/27354	147	0.004
153	27355	28	<0.001
154	27356	113	0.003
155	27357	24	<0.001
156	27358	141	0.004

Certified By: \_\_\_\_\_





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P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	120	27427	16	<0.001
	121 Check	27427	25	<0.001
	122	27428	<5	<0.001
	123	27429	<5	<0.001
	124	27430	54	0.002
	125	27431	12	<0.001
	126	27432	<5	<0.001
	127	27433	219	0.006
	128	27434	2347	0.068
	129	27435	1594	0.046
	130	27436	288	0.008
	131 Check	27436	318	0.009
	132	27437	199	0.006
	133	27438	252	0.007
	134	27439	362	0.011
	135	27440	43	0.001
	136	27441	115	0.003
	137	27442	1024	0.030
	138	27443	690	0.020
	139	27444	134	0.004
	140	27445	138	0.004
	141 Check	27445	138	0.004
	142	27446	690	0.020
	143	27447	<5	<0.001
	144	27448	449	0.013
	145	27449	1272	0.037
	146	27450	8	<0.001
	147	27451	<5	<0.001
	148	27452	14	<0.001
	149	27351	3230	0.094

Certified By: \_\_\_\_\_



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P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	90	33500	185	0.005
	91 Check	33500	195	0.006
	92	27401	<5	<0.001
	93	27402	16	<0.001
	94	27403	371	0.011
	95	27404	<5	<0.001
	96	27405	6	<0.001
	97	27406	<5	<0.001
	98	27407	40	0.001
	99	27408	<5	<0.001
	100	27409	11	<0.001
	101 Check	27409	7	<0.001
	102	27410	<5	<0.001
	103	27411	25	<0.001
	104	27412	44	0.001
	105	27413	38	0.001
	106	27414	8106	0.236
	107	27415	<5	<0.001
	108	27416	40	0.001
	109	27417	<5	<0.001
	110	27418	15	<0.001
	111 Check	27418	<5	<0.001
	112	27419	6	<0.001
	113	27420	18	<0.001
	114	27421	878	0.026
	115	27422	1508	0.044
	116	27423	30	<0.001
	117	27424	11	<0.001
	118	27425	<5	<0.001
	119	27426	<5	<0.001

Certified By: \_\_\_\_\_



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1000 ALLOY DRIVE  
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P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer		Gold ppb	Gold Oz/t
60	33473		<5	<0.001
61	Check 33473		<5	<0.001
62	33474		<5	<0.001
63	33475		29	<0.001
64	33476		<5	<0.001
65	33477		<5	<0.001
66	33478		241	0.007
67	33479		<5	<0.001
68	33480		38	0.001
69	33481		166	0.005
70	33482		14	<0.001
71	Check 33482		13	<0.001
72	33483		4285	0.125
73	33484		6	<0.001
74	33485		<5	<0.001
75	33486		737	0.022
76	33487		9	<0.001
77	33488		<5	<0.001
78	33489		1236	0.036
79	33490		69	0.002
80	33491		<5	<0.001
81	Check 33491		<5	<0.001
82	33492		10	<0.001
83	33493		6	<0.001
84	33494		<5	<0.001
85	33495		806	0.024
86	33496		8	<0.001
87	33497		<5	<0.001
88	33498		<5	<0.001
89	33499		159	0.005

Certified By: \_\_\_\_\_



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CLARK-EVELEIGH CONSULTING  
1000 ALLOY DRIVE  
THUNDER BAY, ONTARIO  
P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer		Gold ppb	Gold Oz/t
	30	11296	<5	<0.001
	31 Check	11296	6	<0.001
	32	11297	<5	<0.001
	33	11298	<5	<0.001
	34	11299	68	0.002
	35	11300	21	<0.001
	36	33451	<5	<0.001
	37	33452	7	<0.001
	38	33453	<5	<0.001
	39	33454	6	<0.001
	40	33455	<5	<0.001
	41 Check	33455	8	<0.001
	42	33456	32	<0.001
	43	33457	<5	<0.001
	44	33458	9	<0.001
	45	33459	<5	<0.001
	46	33460	<5	<0.001
	47	33461	<5	<0.001
	48	33462	9	<0.001
	49	33463	<5	<0.001
	50	33464	13	<0.001
	51 Check	33464	15	<0.001
	52	33465	31	<0.001
	53	33466	<5	<0.001
	54	33467	15	<0.001
	55	33468	7	<0.001
	56	33469	7	<0.001
	57	33470	160	0.005
	58	33471	<5	<0.001
	59	33472	13	<0.001

Certified By: \_\_\_\_\_



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 1

CLARK-EVELEIGH CONSULTING  
1000 ALLOY DRIVE  
THUNDER BAY, ONTARIO  
P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
1	11269	60	0.002
2	11270	51424	1.500
3	11271	<5	<0.001
4	11272	<5	<0.001
5	11273	<5	<0.001
6	11274	23	<0.001
7	11275	<5	<0.001
8	11276	<5	<0.001
9	11277	<5	<0.001
10	11278	<5	<0.001
11	Check 11278	<5	<0.001
12	11279	<5	<0.001
13	11280	<5	<0.001
14	11281	<5	<0.001
15	11282	17	<0.001
16	11283	<5	<0.001
17	11284	<5	<0.001
18	11285	391	0.011
19	11286	778	0.023
20	11287	323	0.009
21	Check 11287	333	0.010
22	11288	1915	0.056
23	11289	241	0.007
24	11290	200	0.006
25	11291	45	0.001
26	11292	19	<0.001
27	11293	101	0.003
28	11294	<5	<0.001
29	11295	<5	<0.001

Certified By: \_\_\_\_\_



# ACCURASSAY LABORATORIES

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THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
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Page 1

CLARK-EVELEIGH CONSULTING  
1000 ALLOY DRIVE  
THUNDER BAY, ONTARIO  
P7B 6A5

Oct. 25, 1996

Job# 9641394

Ref: D. McKay

SAMPLE #		Copper	Silver	Zinc	Lead
Accurassay	Customer	ppm	ppm	ppm	ppm
1	33475	3	<1	6	6
2	33478	150	3	>10,000	11
3	33479	167	4	488	3
4	33480	138	2	>10,000	296
5	33481	33	<1	40	126
6	33482	340	4	5680	1704

Certified By: \_\_\_\_\_

## DIGITAL COMPILATION OF PREVIOUS EXPLORATION

### Purpose

The results of previous mineral exploration conducted on and around the Mishibishu Properties was compiled (in digital format) in order to:

1. Assess the nature and quality of previous exploration in the area
2. Determine the nature and extent of known gold and base metal mineralization in the area.
3. Develop strategies and targets to help guide current exploration.
4. Create a digital base (1:20000 scale) suitable for recording the results of current exploration.

### Work Conducted

A digital base (1:20000) was constructed by integrating OBM files 201660005310, 201660005320, 201660005330, 201661005310, 201661005320, 201661005330, 201662005310, 201662005320 and 201662005330. Public and proprietary exploration data comprising the results from airborne and ground geophysical surveys, geological mapping, prospecting, soil and rock lithogeochemical sampling and diamond drilling were added to the base and a series of digital compilation maps were produced utilizing Geosoft and Autocad software. Diamond drill data has also been processed via computer utilizing Borsurv software and various drill plans and sections have been produced.

The data used in this compilation includes the results of work conducted by:

1. Murgor Resources Inc. (1996).
2. Noranda Exploration Company, Limited (1988, 1989).
3. Dominion Explorers Inc. (1983, 1984, 1985, 1986, 1987).

The compilation was performed by D. McKay, G. Clark, G. Laws and D. Maclean, all employees of Clark-Eveleigh Consulting. The work was initiated in 1996 and is ongoing. To date, approximately 80 man-days have been used to compile/interpret the data (40 man-days for the Mishi Creek and Birch blocks and 40 man-days for the Macassa Creek Block).

### Results

Results of the digital compilation are presented in Maps 1 to 8 which accompany this report.

## STATEMENTS OF QUALIFICATIONS

I, Douglas Bruce McKay do hereby certify that:

- a) I currently reside at RR # 14, Gorevale Road, Thunder Bay, ON, P7B 5E5; and that I am currently an employee of Clark-Eveleigh Consulting of 1000 Alloy Drive, Thunder Bay, ON P7B 6A5.
- b) I am a graduate of Lakehead University, Thunder Bay, ON where I received an H.B.Sc. degree in Geology in 1984 and a M.Sc. degree in Geology in 1987.
- c) I have been engaged in base and precious metal exploration as a geologist since 1984.
- d) I am a fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining, Metallurgy and Petroleum and a member of the Northwestern Prospectors Association.
- e) I have not received, directly or indirectly, nor do I expect to receive, any interest in Murgor Resources Incorporated.

Respectfully Submitted,

D.B. McKay  
April, 1997



## STATEMENT OF QUALIFICATIONS

I, J. Garry Clark do hereby certify:

- I am a resident of Thunder Bay, Ontario, Canada with address 120 N. Robinson Dr., P7A 5G6
- I have been engaged in base and precious metal exploration as a geologist since 1983
- I am a graduate of Lakehead University, Thunder Bay, Ontario (H.B.Sc., Geology, 1983)
- I have reviewed all available technical data on the Mishibishu Properties.
- I am a partial owner of the Dorset and Cameron Lake Claim Blocks optioned to Murgor Resources Inc.

Signature: \_\_\_\_\_

Name: J. Garry Clark

Date: \_\_\_\_\_

## REFERENCES

Assessment Files, Sault Ste. Marie Resident Geologists Office, Sault Ste. Marie.

Bennett, Gerald and Thurston, P.C, 1977: Geology of the Pukaskwa River-University River Area, Districts of Algoma and Thunder Bay; Ontario Division of Mines, Geoscience Report 153, 60p. Accompanied by Maps 2332 and 2333, scale 1:63360 or 1 inch to 1 mile, and chart.

Bowen, R.P., and Logothetis, J., 1985: Mishibishu Lake Area, Districts of Algoma and Thunder Bay; p.78-82 in Summary of Field Work and Other Activities 1985, Ontario Geological Survey, edited by John Wood, Owen L. White, R.B. Barlow, and A.C. Colvine, Ontario Geological Survey, Miscellaneous Paper 126, 351p.

Bowen, R.P., Logothetis, J., and Heather, K.B., 1986a: Precambrian Geology of the Mishibishu Lake Area, Northwestern Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey, Map P.2968, Geological Series-Preliminary Map, scale 1:15840 or 1 inch to 1/4 mile.

1986b: Precambrian Geology of the Mishibishu Lake Area, North-Central Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey. Map P.2969, Geological Series-Preliminary Map, scale 1:15840 or 1 inch to 1/4 mile.

1986c: Precambrian Geology of the Mishibishu Lake Area, Northeastern Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey Map. P.2970. Geological Series-Preliminary Map, scale 1:15840 or 1 inch to 1/4 mile.

1986d: Precambrian Geology of the Mishibishu Lake Area, South-Central Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey Map, P.2971, Geological Series-Preliminary Map, scale 1:15840 or 1 inch to 1/4 mile.

1986e: Precambrian Geology of the Mishibishu Lake Area, Southeastern Section, Districts of Thunder Bay and Algoma; Ontario Geological Survey Map, P.2972, Geological Series-Preliminary Map, scale 1:15840 or 1 inch to 1/4 mile.

Heather, K.B. 1985: Gold Showings of the Mishibishu Lake Area, District of Thunder Bay: p.83-89 in Summary of Field Work and Other Activities 1985, Ontario Geological Survey, edited by John Wood, Owen L. White, R.B. Varlow, and A.C. Colvine, Ontario Geological Survey, Miscellaneous Paper 126, 351p.

Heather, K.B. 1986: Mineralization of the Mishibishu Lake Greenstone Belt, District of Thunder Bay: in Summary of Field Work and Other Activities 1986, by the Ontario Geological Survey, edited by P.C. Thurston, Owen L. White, R.B. Barlow, M.E. Cherry, and A.C. Colvine, Ontario Geological Survey.

Ontario Geological Survey 1987: Airborne Electromagnetic and Total Intensity Magnetic Survey, Wawa Area, Districts of Algoma, Sudbury and Thunder Bay; by Dighem Surveys & Processing Inc. for Ontario Geological Survey, Geophysical/Geochemical Series, Scale 1:20000. Survey and Compilation, April, 1987 to February 1988.

Woldeabzghi, T., Williams, G. 1990: Report of Activities (1989) on the Dominion Explorers Macassa Creek Property for Noranda Exploration Company Ltd.

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, the 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 of information should be directed to the Assessment Files Research Imaging, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, St. Catharines, Ontario L2R 9L9.



Instructions: - For use by  
- Please

900 form 0240.

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

Name <i>Goldust Mines, Audrey Traverser, Pierre Gagne</i>	Client Number <i>302366, 222905, 134280</i>
Address <i>90100 Alloy Dr. Thunder Bay ON P7B 6A5.</i>	Telephone Number <i>807-625-9291</i>
	Fax Number <i>807-625-9293</i>
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

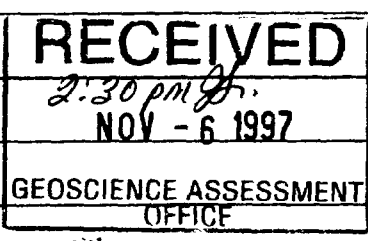
Work Type <i>Sampling, assaying and compilation.</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>39,480.</i>
Dates Work Performed From <i>08 10 96</i> To <i>30 09 97</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>S.S. Marie</i>
Township/Area <i>Mishibishu Lake/Pt Isocar</i>	Resident Geologist District <i>S.S. Marie</i>
M or G-Plan Number <i>G-3772, G-3778</i>	

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.

*2.17950*

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

Name <i>J. G Clark (Clark-Eveleigh Consulting)</i>	Telephone Number <i>Same As Above</i>
Address <i>Same As Above.</i>	Fax Number <i>Same As Above.</i>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, *J. Garry Clark* (Print Name), 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 <i>[Signature]</i>	Date <i>Nov 7/97.</i>
Agent's Address <i>1000 Alloy Dr. Thunder Bay ON P7B 6A5.</i>	Telephone Number <i>807-625-9291</i>
	Fax Number <i>807-625-9293</i>

*Feb 04/98*

3 mining land where work was performed, at the time work was performed. A map showing the claims must accompany this form.

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 7827	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 1037251		8291 ✓			8291
2 1037616		987 ✓		800	MC <del>987</del> 187
3 1208155		987 ✓		400	MC <del>987</del> 587
4 1208156		4343 ✓			4343
5 1208157		6316 ✓			6316
6 1224837		13423 ✓	6400		7023
7 1224839		5133 ✓	800		4333
8 1224838			400 ✓		
9 1224840			MC 800 ✓		
10					
11					
12					
13					
14					
15					
Column Totals		39480	8400	1200	32280

**RECEIVED**  
NOV - 6 1997  
GEOSCIENCE ASSESSMENT  
OFFICE

I, J. G. Clark, 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: Nov 7/97

**6. Instructions 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):
- 5. Call before cut back

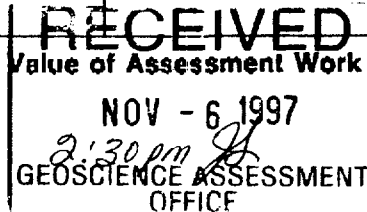
Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

**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)		

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, the 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 the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B6.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Geologist Sampling & describing	15	300	4500
Prospector / Assistant	15	150	2250
Compilation	40	300	12 000
Supervision	3	300	900
Report + Maps	6	300	1800
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
Assays	122	15	1830
Flagging, bags, hip chain, map paper			600
Printing + Plotting			600
Computer time	300 hours	15	4500
<b>Transportation Costs</b>		<b>2.17050</b>	
Truck (2)	30 days	200	6000
Quad	30 days	50	1500
<b>Food and Lodging Costs</b>		<b>2.17950</b>	
Room + Board	30 days	100	3000
<b>Total Value of Assessment Work</b>			<b>39 480</b>


**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:

$$\text{TOTAL VALUE OF ASSESSMENT WORK} \times 0.50 = \text{Total \$ value of worked claimed.}$$

**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:**

I, J. G. Clark, 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 Agent. I am authorized to make this certification.

Signature 	Date Nov 5/97
---------------	------------------

**Amended Copy.**

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
SS 1037251		3645			3645
SS 1037616		434			434
SS 1208155		434			434
SS 1208156		1909			1909
SS 1208157		2776		1699	2077
SS 1224837		5901	6400		0
SS 1224839		2256	800		1456
SS 1224838			400		400
SS 1224840			800		800
<b>Column Totals</b>		<b>17355</b>	<b>8400</b>	<b>1699</b>	<b>8955</b>

**RECEIVED**  
 FEB 13 1998  
 GEOSCIENCE ASSESSMENT OFFICE

**RECEIVED**  
 FEB 13 1998  
 GEOSCIENCE ASSESSMENT OFFICE

February 17, 1998

GOLDUST MINES LTD.  
2150, 250-8TH AVE.SW  
CALGARY, ALBERTA  
T2P-3H7

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

Telephone: (888) 415-9846  
Fax: (705) 670-5881

Dear Sir or Madam:

**Submission Number: 2.17950**

**Status**

**Subject: Transaction Number(s):** W9750.00903 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.

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 [gatesb2@epo.gov.on.ca](mailto:gatesb2@epo.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:** 2.17950

**Date Correspondence Sent:** February 17, 1998

**Assessor:** Bruce Gates

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9750.00903	1037251	MISHIBISHU LAKE, POINT ISACOR	Approval After Notice	February 16, 1998

**Section:**

17 Assays ASSAY

Assessment work credit has been approved as outlined on the AMENDED Declaration of Assessment Work Form accompanying this submission.

**Correspondence to:**

Resident Geologist  
Sault Ste. Marie, ON

Assessment Files Library  
Sudbury, ON

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

J.Garry Clark  
THUNDER BAY, ONTARIO

GOLDUST MINES LTD.  
CALGARY, ALBERTA

AUDREY ELIZABETH TRAVERSE  
THUNDER BAY, ONTARIO

PIERRE GAGNE  
THUNDER BAY, Ontario

---



# Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

**Date:** February 17, 1998

**Submission Number:** 2.17950

---

**Transaction Number:** W9750.00903

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1037251	3,645.00
1037616	434.00
1208155	434.00
1208156	1,909.00
1208157	2,776.00
1224837	5,901.00
1224839	2,256.00
	<hr/>
<b>Total: \$</b>	<b>17,355.00</b>

---

REFERENCE

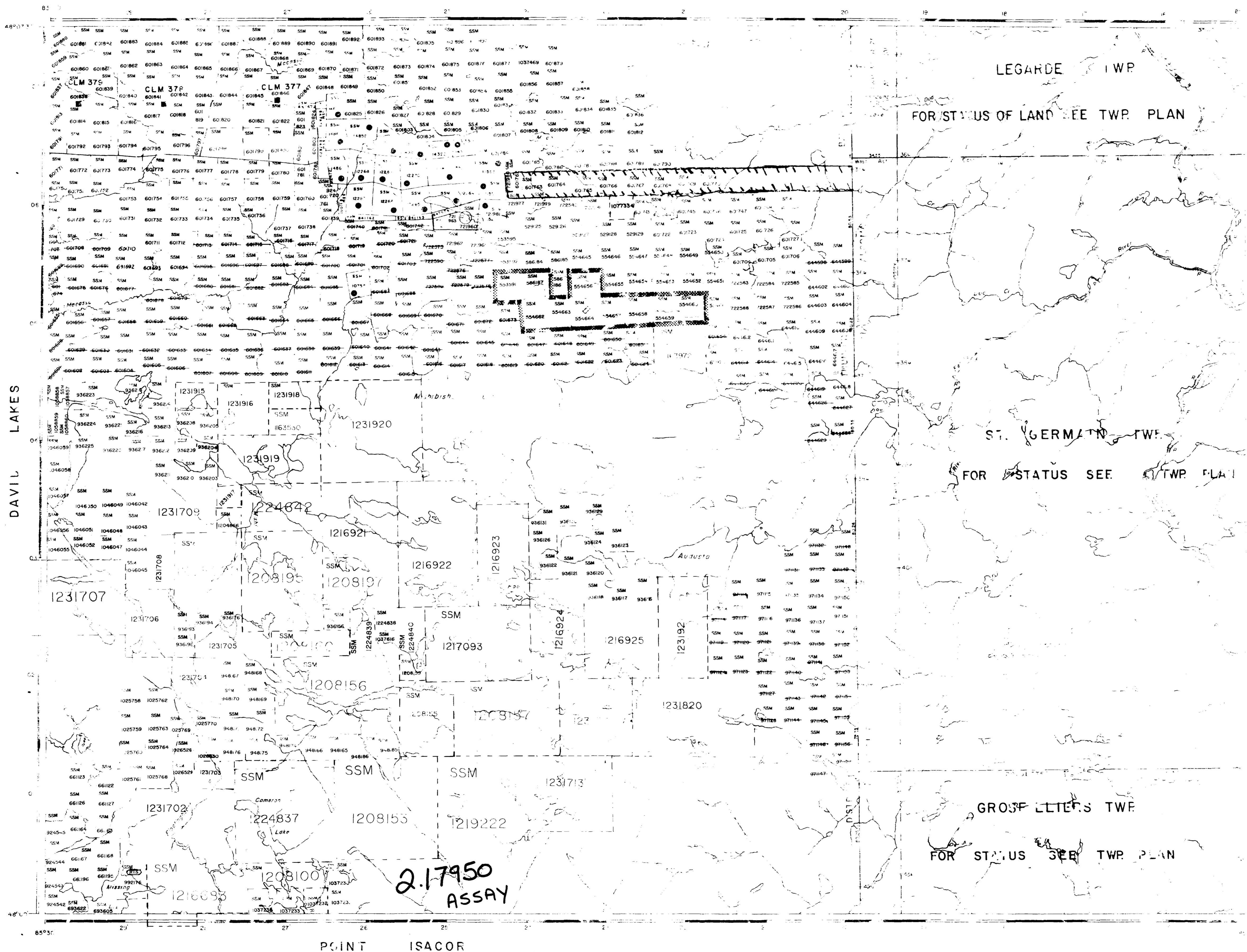
AREAS WITHDRAWN FROM DISPOSITION

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

Disposition	Order No.	Date	Disposition	File
	002788	24/10/88	Mining	10000

SURFACE RIGHTS ARE SHOWN UNDER P.L.A. FOR AREA SHOWN ONLY  
W.D.M. 5/37 JAN 21/97 S.D. 195150

LEGARDE ADDITIONAL



REFERENCES

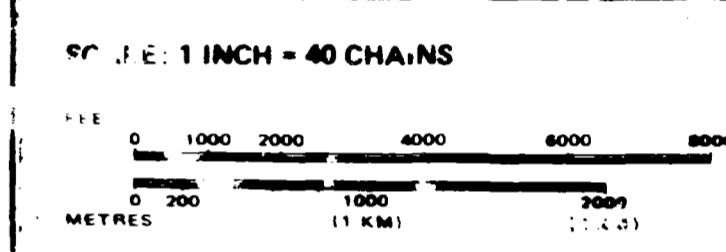
LEGEND

- FIG. WA. AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIP 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-PERMANENT STREAM
- FLOODING OF FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHOT LINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT
- (R.S.) LAND USE PERMIT

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	○
SANCTUARY	○

NOTE: 3140 RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 300, SEC. 63, SUBSEC. 1



DATE OF ISSUE

FEB 10 1998

PROVINCIAL RECORDING OFFICE SUDBURY

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.

MISHIBISHU LAKE

ADMINISTRATIVE DISTRICT  
W.A.W.  
MUNICIPALITY  
SAULT STE. MARIE  
LAND TITLES / REGISTRY DIVISION  
ALGOMA

Ministry of Natural Resources  
Ministry of Northern Development and Mines

C 3772

2.17950 ASSAY

TRIM TO THIS LINE ALL AROUND



REFERENCES

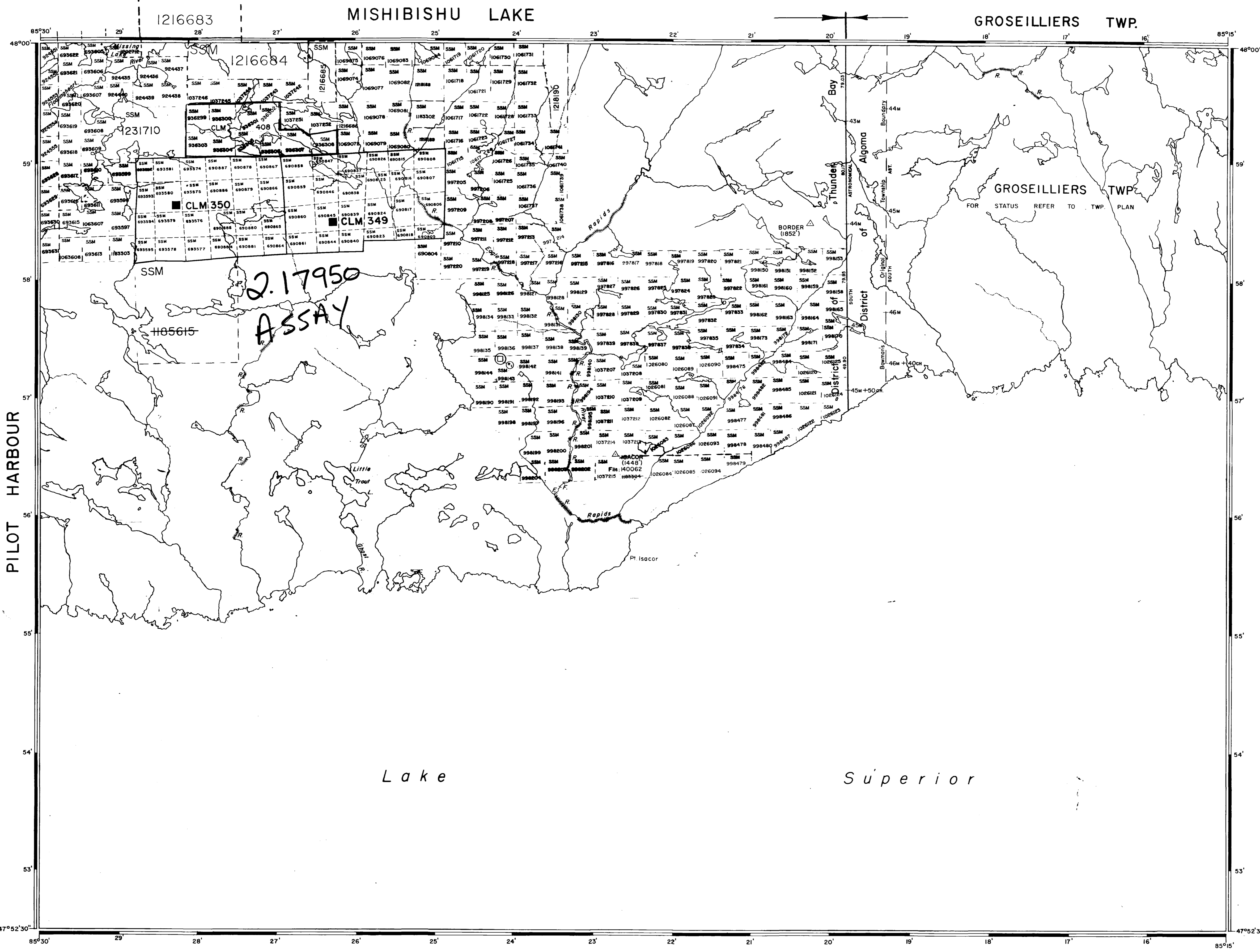
AREAS WITHDRAWN FROM DISPOSITION

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 34D MG ACT		23/10/61		169051
GAP RADAR STATION DEPT OF NATIONAL DEFENCE				
WITHDRAWN FROM STAKING				



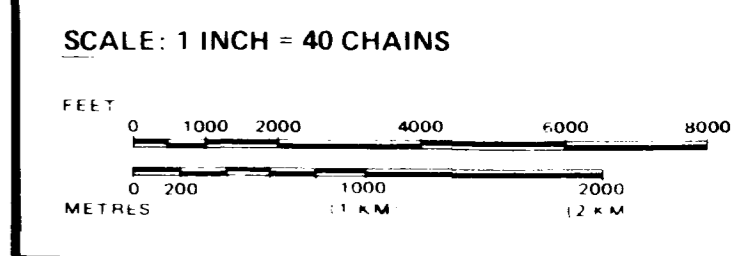
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63.5(1) SEC. 1



DATE OF ISSUE

FEB 24 1988

PROVINCIAL RECORDING OFFICE - SUDBURY

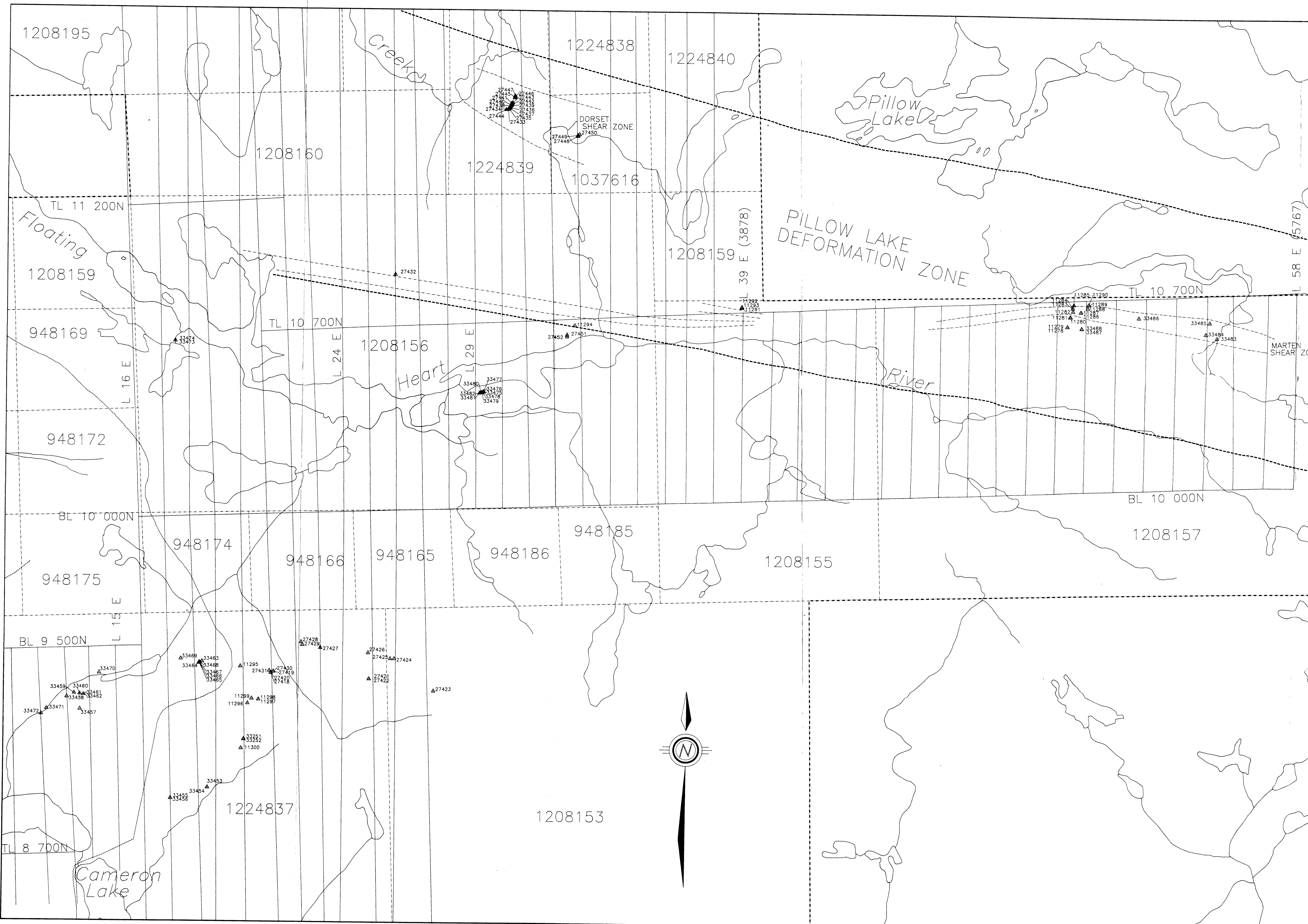
AREA  
**POINT ISACOR**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**WAWA**  
 MINING DIVISION  
**SAULT STE. MARIE**  
 LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**

Ministry of Natural Resources Ontario  
 Ministry of Northern Development and Mines

Date FEBRUARY 1987 Number **G-3778**

TRIM TO THIS LINE ALL AROUND

G-3778  
 POINT ISACOR  
 G-3778

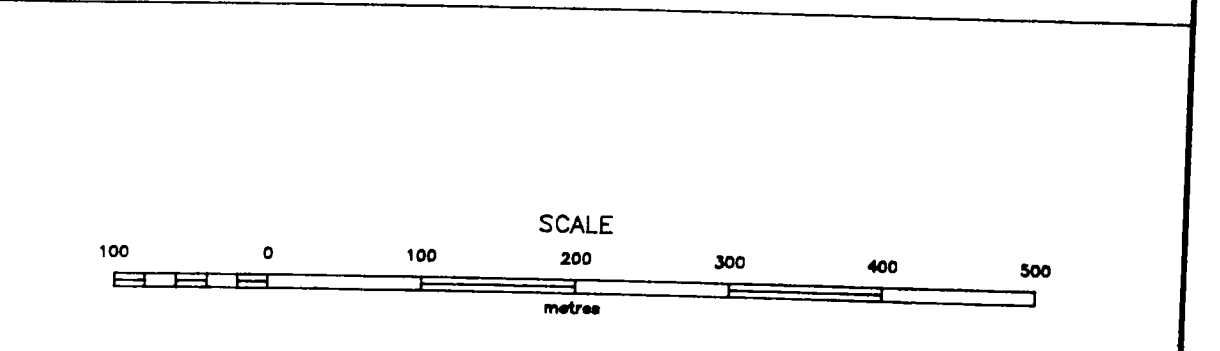


- LEGEND**
- 8 GRANITE
  - 7 DIABASE
  - 6 MAFIC-ULTRAMAFIC INTRUSION
    - a) unsubsided
    - b) gabbro
    - c) quartz-diorite
  - 5 FELSIC-INTERMEDIATE INTRUSION
    - a) quartz porphyritic
    - b) feldspar porphyritic
    - c) quartz feldspar porphyritic
    - d) diorite
    - e) felsite
  - 4 CLASTIC SEDIMENTS
    - a) siltstone, sandstone, arkose
    - b) argillite
    - c) conglomerate
    - d) quartzite
    - e) greywacke
    - f) iron formation
    - t) tuffaceous metasediments
  - 3 FELSIC VOLCANIC
    - a) unsubsided
    - b) flow
    - c) tuff
    - d) lapilli tuff
  - 2 INTERMEDIATE-FELSIC VOLCANIC
    - a) unsubsided
    - b) flow, m-massive, p-pillowed
    - c) tuff, qtz, eye tuff
    - d) lapilli tuff
    - e) qtz-sericite schist
    - f) cherty tuffite
  - 1 MAFIC-INTERMEDIATE VOLCANIC
    - a) unsubsided
    - b) flow
    - c) tuff
    - d) coarse porphyritic flow
    - e) sediments
    - f) cherty tuffite
    - g) amygdaloidal
    - h) pillowed

**ABBREVIATIONS**

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	py	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cnt	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
feld	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

- SYMBOLS**
- Sample Location with number
  - Property Boundary
  - Roads
  - Shear Zone
  - Pillow Lake Deformation Zone



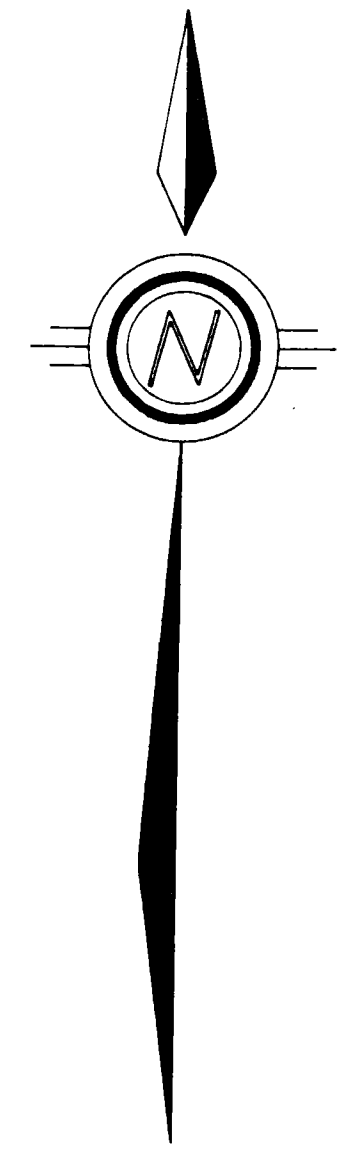
**2.17950** MAP #1

**MURGOR RESOURCES INC.**

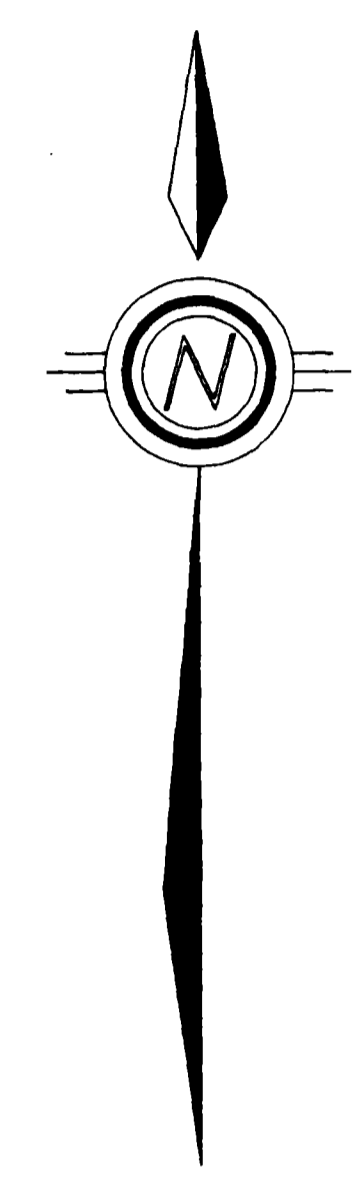
Sample Location Map  
Mishi Creek Block, 1996 Prospecting

N.T.S.: 42 C/3 Scale: 1:5 000  
Digital cartography: G. Laws Date: 03/01/97

**CLARK-EVELEIGH CONSULTING**



27417



27416  
▲ 27415

1037251

27412  
▲ 27411  
▲ 27410  
▲ 27409  
▲ 27408  
▲ 27414  
▲ 27413  
▲ 27407

TL 10 700 N

11276 ▲ 27401  
▲ 11271  
11275 ▲ 11269  
11274 ▲ 27403  
▲ 27402  
11273 ▲ 11270  
▲ 11272

▲ 11277

#3 WIT 1037251  
□

▲ 27404  
▲ 27405  
▲ 27406

NOTE: ALL SAMPLE LOCATIONS ARE CORRECT  
RELATIVE TO WIT POST #3. HOWEVER, LOCATION  
OF WIT POST (AND OLD GRID) IS IN QUESTION.

L 10 300 E

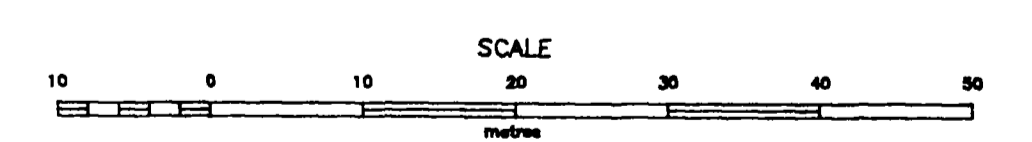
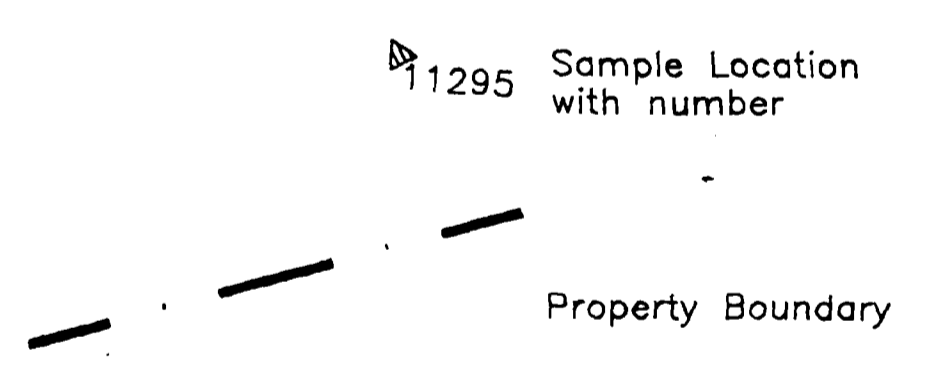
LEGEND

- 8 GRANITE
- 7 DIABASE
- 6 MAFIC-ULTRAMAFIC INTRUSION
  - a) unsubsdivided
  - b) gabbro
  - c) quartz-diorite
- 5 FELSIC-INTERMEDIATE INTRUSION
  - a) quartz porphyritic
  - b) feldspar porphyritic
  - c) quartz feldspar porphyritic
  - e) diorite
  - f) felsite
- 4 CLASTIC SEDIMENTS
  - a) siltstone, sandstone, arkose
  - b) argillite
  - c) conglomerate
  - d) quartzite
  - e) greywacke
  - f) iron formation
  - t) tuffaceous metasediments
- 3 FELSIC VOLCANIC
  - a) unsubsdivided
  - b) flow
  - c) tuff
  - d) lapilli tuff
- 2 INTERMEDIATE-FELSIC VOLCANIC
  - a) unsubsdivided
  - b) flow, m-massive, p-pillowed
  - c) tuff, qtz, eye tuff
  - d) lapilli tuff
  - e) qtz-sericite schist
  - f) cherty tuffite
- 1 MAFIC-INTERMEDIATE VOLCANIC
  - a) unsubsdivided
  - b) flow
  - c) tuff
  - d) coarse porphyritic flow
  - e) sediments
  - f) cherty tuffite
  - g) amygdaloidal
  - h) pillowed

ABBREVIATIONS

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	po	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
chl	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

SYMBOLS



2.17950 MAP #2

MURGOR RESOURCES INC.

Sample Location Map  
Birch Block, 1998 Prospecting

N.T.S.: 42 C/3 Scale: 1:500  
Digital cartography: G. Laws Date: 03/01/97

CLARK-EVELEIGH CONSULTING



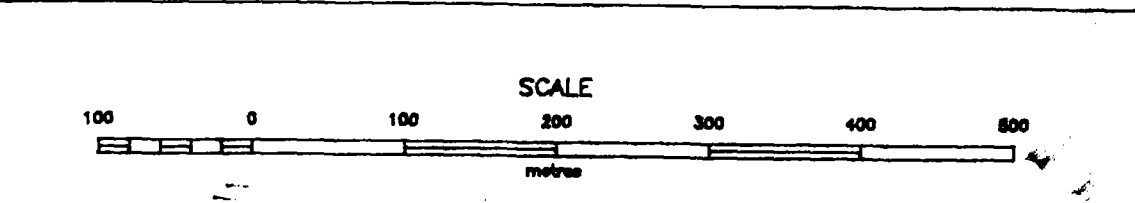


- LEGEND**
- 8 GRANITE
  - 7 DIABASE
  - 6 MAFIC-ULTRAMAFIC INTRUSION
    - a) unsubdivided
    - b) gabbrro
    - c) quartz-diorite
  - 5 FELSIC-INTERMEDIATE INTRUSION
    - a) quartz porphyritic
    - b) feldspar porphyritic
    - c) quartz feldspar porphyritic
    - e) diorite
    - f) felsite
  - 4 CLASTIC SEDIMENTS
    - a) siltstone, sandstone, arkose
    - b) argillite
    - c) conglomerate
    - d) quartzite
    - e) greywacke
    - f) iron formation
    - t) tuffaceous metasediments
  - 3 FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) lapilli tuff
  - 2 INTERMEDIATE-FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow, m-massive, p-pillowed
    - c) tuff, atz, eye tuff
    - d) lapilli tuff
    - e) atz-sericite schist
    - f) cherty tuffite
  - 1 MAFIC-INTERMEDIATE VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) coarse porphyritic flow
    - e) sediments
    - f) cherty tuffite
    - g) amygdaloidal
    - h) pillowed

**ABBREVIATIONS**

alb	albite	gf	graphite
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bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	po	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cht	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

- SYMBOLS**
- Roads
  - Property Boundary (surveyed)
  - Geologic Contact
  - Fault (interpreted)
  - Shear Zone
  - Pillow Lake Deformation Zone
  - 465 ppb Au (soil)
  - 890 ppb Au (rock)
  - 1.3 g/t Au (rock) grbs, trenches, ddh intersections
  - Diamond Drill Hole (dah)
  - Trenching



2.17950 MAP #3

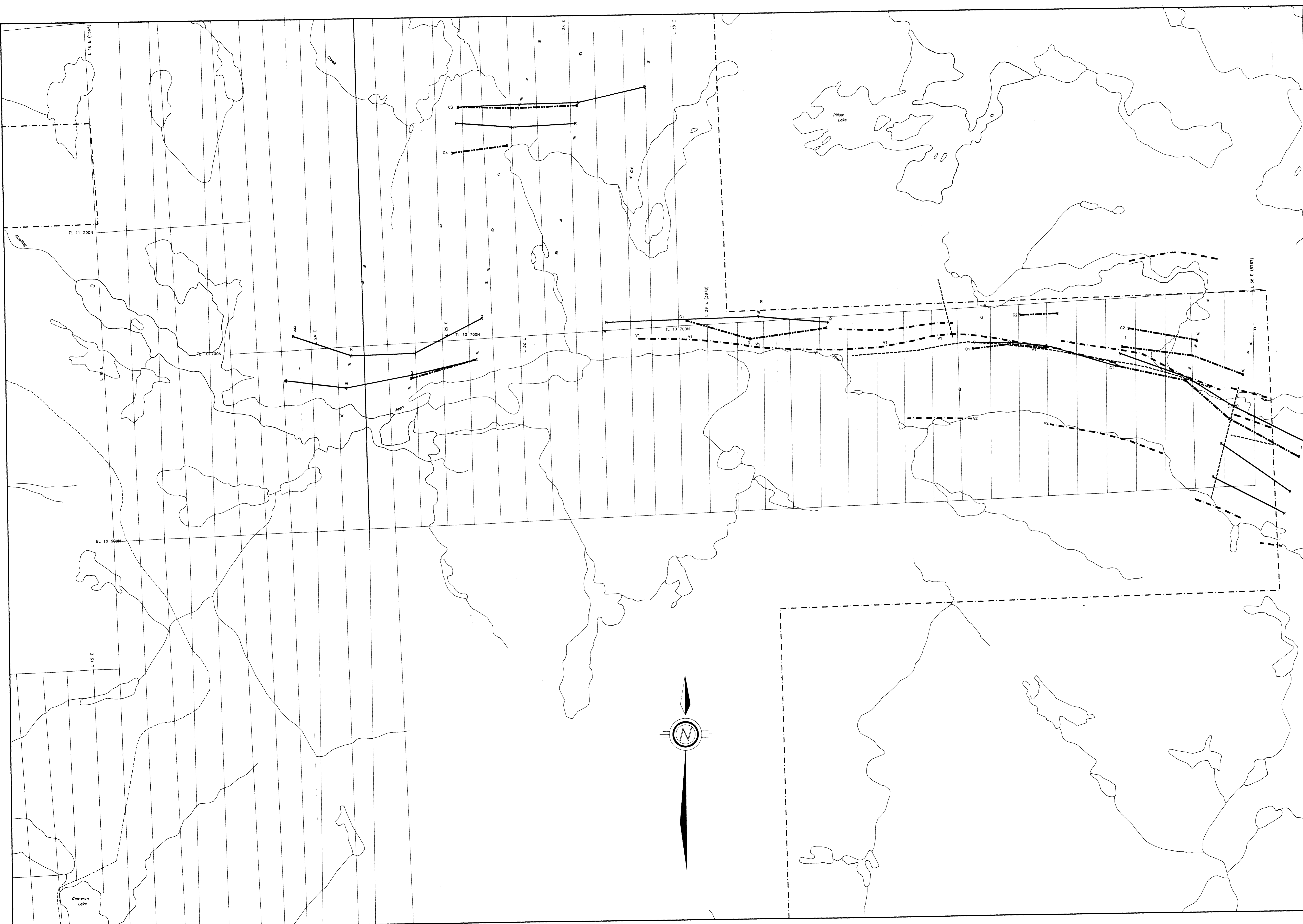
**MURGOR RESOURCES INC.**

Geological Compilation Map  
Mishi Creek Block

N.T.S.: 42 C/3 Scale: 1:5 000  
Digital cartography: G. Laws Date: 03/01/97

CLARK-EVELEIGH CONSULTING





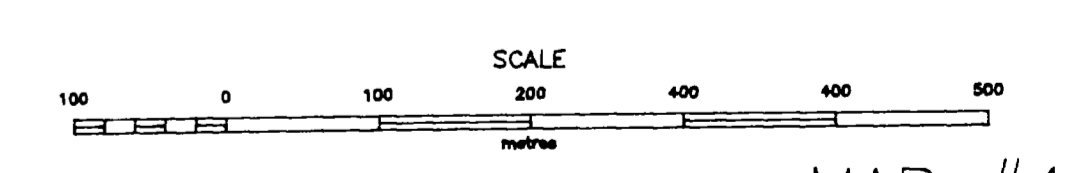
- 8 GRANITE
- 7 DIABASE
- 6 MAFIC-ULTRAMAFIC INTRUSION
  - a) unsubdivided
  - b) gabbro
  - c) quartz-diorite
- 5 FELSIC-INTERMEDIATE INTRUSION
  - a) quartz porphyritic
  - b) feldspar porphyritic
  - c) quartz feldspar porphyritic
  - e) diorite
  - f) felsite
- 4 CLASTIC SEDIMENTS
  - a) siltstone, sandstone, arkose
  - b) argillite
  - c) conglomerate
  - d) quartzite
  - e) greywacke
  - f) iron formation
  - t) tuffaceous metasediments
- 3 FELSIC VOLCANIC
  - a) unsubdivided
  - b) flow
  - c) tuff
  - d) lapilli tuff
- 2 INTERMEDIATE-FELSIC VOLCANIC
  - a) unsubdivided
  - b) flow, m-massive, p-pillowed
  - c) tuff, qtz. eye tuff
  - d) lapilli tuff
  - e) qtz-sericite schist
  - f) cherty tuffite
- 1 MAFIC-INTERMEDIATE VOLCANIC
  - a) unsubdivided
  - b) flow
  - c) tuff
  - d) coarse porphyritic flow
  - e) sediments
  - f) cherty tuffite
  - g) amygdaloidal
  - h) pillowed

ABBREVIATIONS

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	po	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cht	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

SYMBOLS

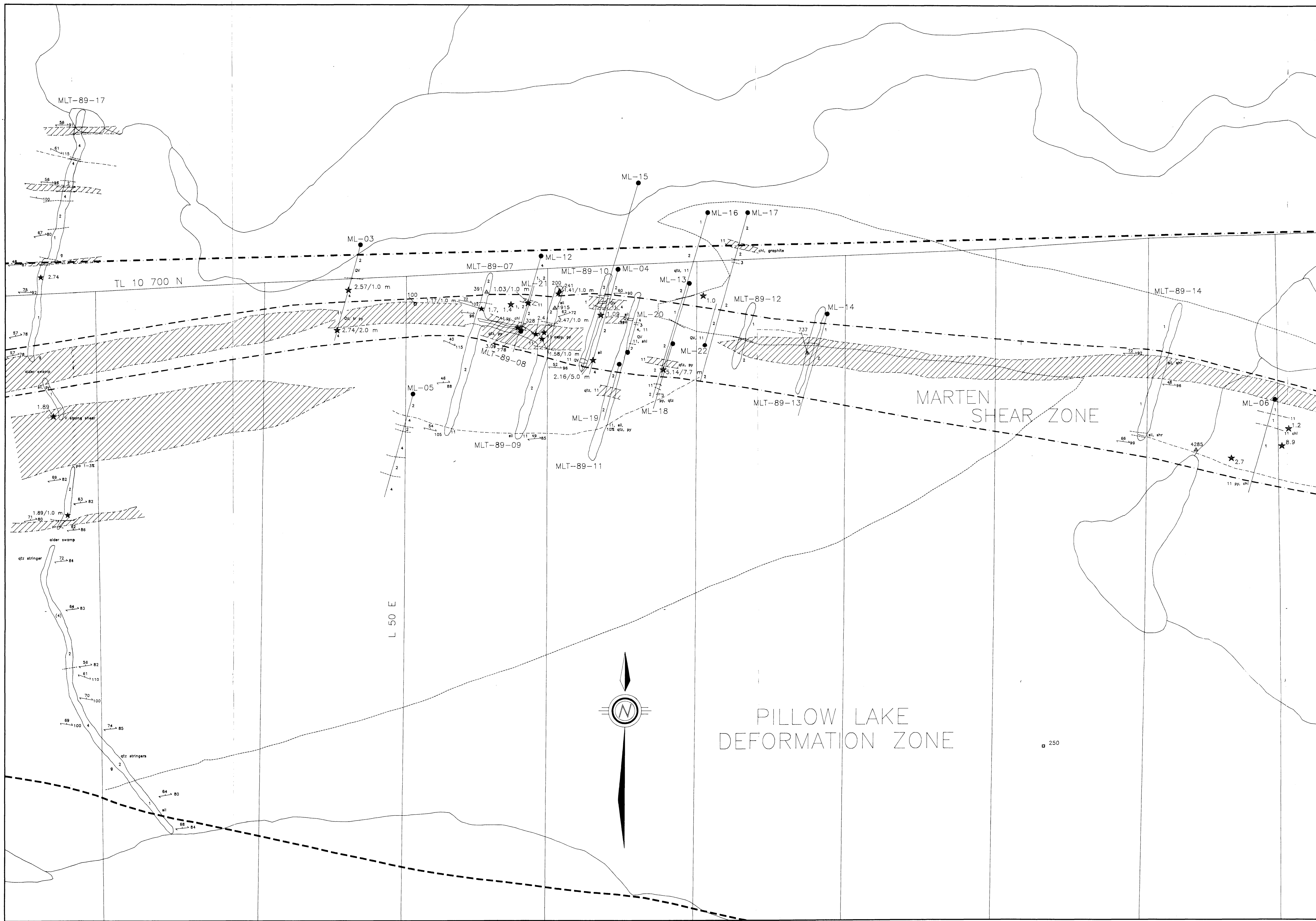
—	Roads	1988 Geophysics
- - -	Property Boundary (surveyed)	I.P. Chargeability
- . - .	Geologic Contact	Q Questionable
- - -	Fault (interpreted)	W Weak
- - -	Shear Zone	I Intermediate
- - -	Pillow Lake Deformation Zone	S Strong
- - -		I.P. Resistivity
- - -		R Resistive Zone
- - -		C Conductive Zone
- - -		V.L.F. Conductors
- - -		Magnetic Trends



2.17950 MAP #4  
MURGOR RESOURCES INC.

Geophysical Compilation Map  
Mishi Creek Block  
N.T.S.: 42 C/3 Scale: 1:5 000  
Digital cartography: G. Lows Date: 03/01/97  
CLARK-EVELEIGH CONSULTING





LEGEND

- 8 GRANITE
- 7 DIABASE
- 6 MAFIC-ULTRAMAFIC INTRUSION
  - a) unsubdivided
  - b) gabbro
  - c) quartz-diorite
- 5 FELSIC-INTERMEDIATE INTRUSION
  - a) quartz porphyritic
  - b) feldspar porphyritic
  - c) quartz feldspar porphyritic
  - e) diorite
  - f) felsite
- 4 CLASTIC SEDIMENTS
  - a) siltstone, sandstone, arkose
  - b) argillite
  - c) conglomerate
  - d) quartzite
  - e) greywacke
  - f) iron formation
  - t) tuffaceous metasediments
- 3 FELSIC VOLCANIC
  - a) unsubdivided
  - b) flow
  - c) tuff
  - d) lapilli tuff
- 2 INTERMEDIATE-FELSIC VOLCANIC
  - a) unsubdivided
  - b) flow, m-massive, p-pillowed
  - c) tuff, qtz, eye tuff
  - d) lapilli tuff
  - e) qtz-sericite schist
  - f) cherty tuffite
- 1 MAFIC-INTERMEDIATE VOLCANIC
  - a) unsubdivided
  - b) flow
  - c) tuff
  - d) coarse porphyritic flow
  - e) sediments
  - f) cherty tuffite
  - g) amygdaloidal
  - h) pillowed

ABBREVIATIONS

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	po	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cht	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

SYMBOLS

	Roads		485 ppb Au (soil)
	Property Boundary (surveyed)		890 ppb Au (rock)
	Geologic Contact		1.3 g/t Au (rock) grabs, trenches, ddh intersections
	Fault (interpreted)		25 Diamond Drill Hole (ddh)
	Shear Zone		Trenching
	Pillow Lake Deformation Zone		25 MLT-89-07

SCALE  
0 20 40 60 80 100  
metres

3.17950 MAP #5

MURGOR RESOURCES INC.

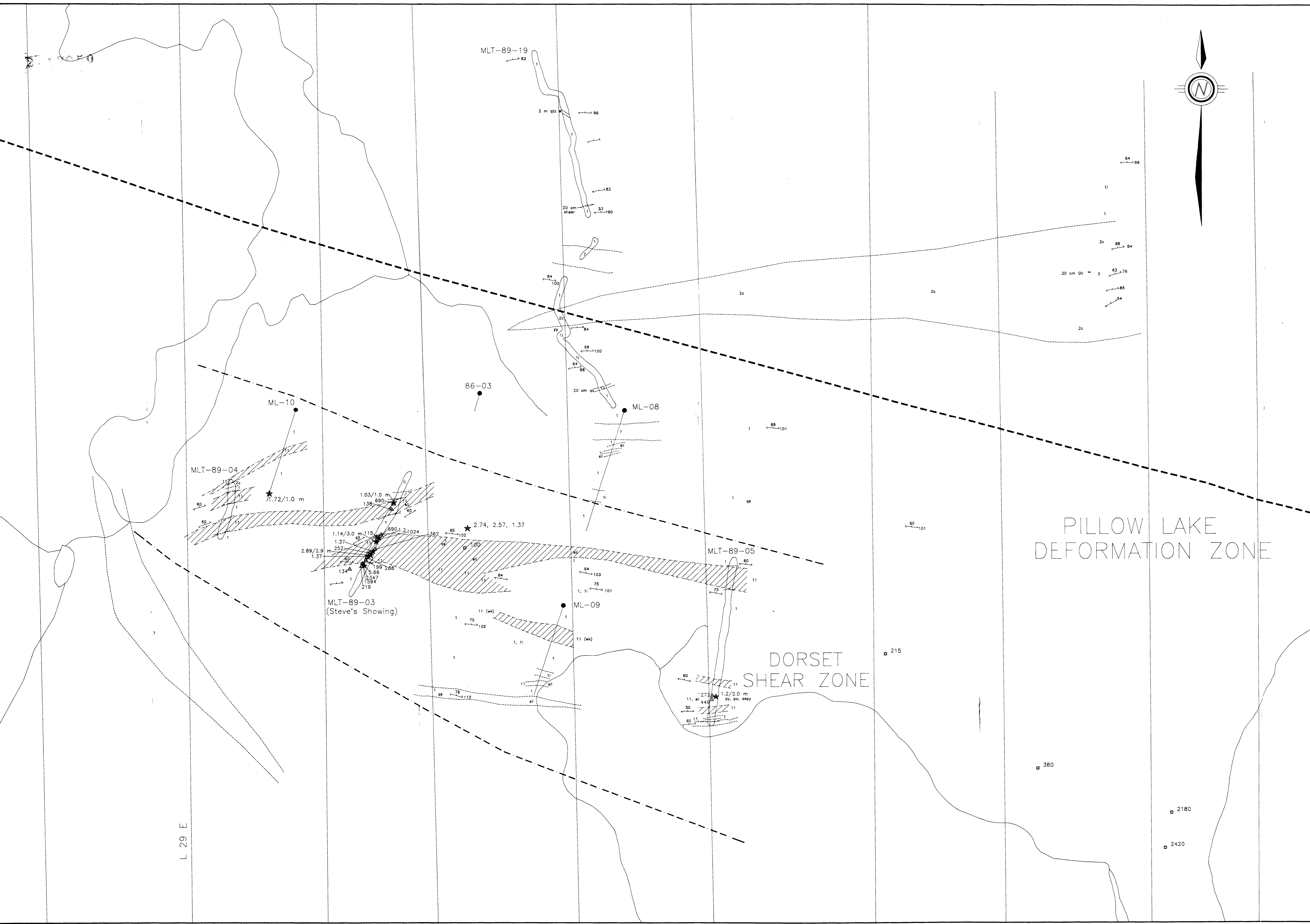
Detailed Compilation Map  
Mishi Creek Block, Marten Shear Zone

N.T.S.: 42 C/3 Scale: 1:1 000  
Digital cartography: G. Laws Date: 03/01/97

CLARK-EVELEIGH CONSULTING





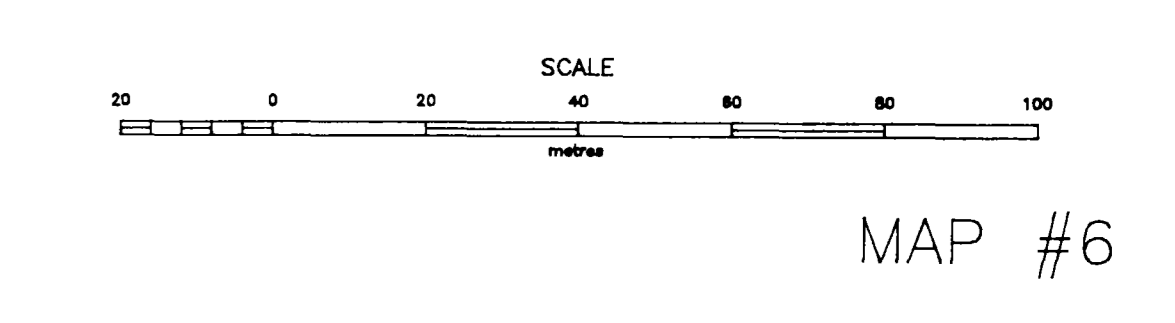


- LEGEND**
- 8 GRANITE
  - 7 DIABASE
  - 6 MAFIC-ULTRAMAFIC INTRUSION
    - a) unsubdivided
    - b) gabbro
    - c) quartz-diorite
  - 5 FELSIC-INTERMEDIATE INTRUSION
    - a) quartz porphyritic
    - b) feldspar porphyritic
    - c) quartz feldspar porphyritic
    - d) diorite
    - e) felsite
  - 4 CLASTIC SEDIMENTS
    - a) siltstone, sandstone, arkose
    - b) argillite
    - c) conglomerate
    - d) quartzite
    - e) greywacke
    - f) iron formation
    - t) tuffaceous metasediments
  - 3 FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) lapilli tuff
  - 2 INTERMEDIATE-FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow, m-massive, p-pillowed
    - c) tuff, qtz, eye tuff
    - d) lapilli tuff
    - e) qtz-sericite schist
    - f) cherty tuffite
  - 1 MAFIC-INTERMEDIATE VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) coarse porphyritic flow
    - e) sediments
    - f) cherty tuffite
    - g) amygdaloidal
    - h) pillowed

**ABBREVIATIONS**

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	IF	Iron Formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	pr	pyrrhotite
cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cht	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

- SYMBOLS**
- Roads
  - - - Property Boundary (surveyed)
  - - - Geologic Contact
  - - - Fault (interpreted)
  - - - Shear Zone
  - - - Pillow Lake Deformation Zone
  - 465 ppb Au (soil)
  - 890 ppb Au (rock)
  - ★ 1.3 g/t Au (rock) grab, trenches, ddh intersections
  - Diamond Drill Hole (ddh)
  - ▬ Trenching



**MURGOR RESOURCES INC.**

Detailed Compilation Map  
Mishi Creek Block, Dorset Shear Zone

N.T.S.: 42 C/3      Scale: 1:1 000  
Digital cartography: G. Lays      Date: 03/01/97

CLARK-EVELEIGH CONSULTING

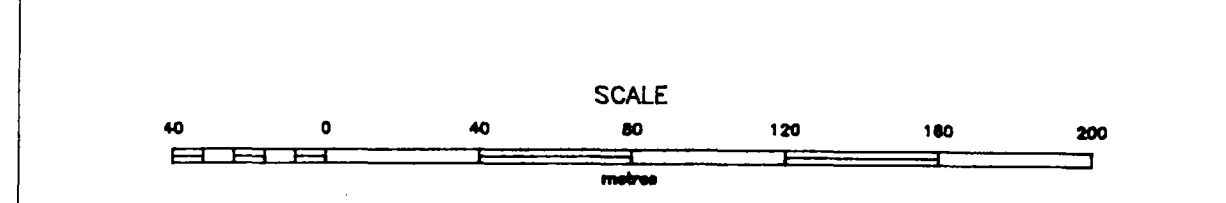
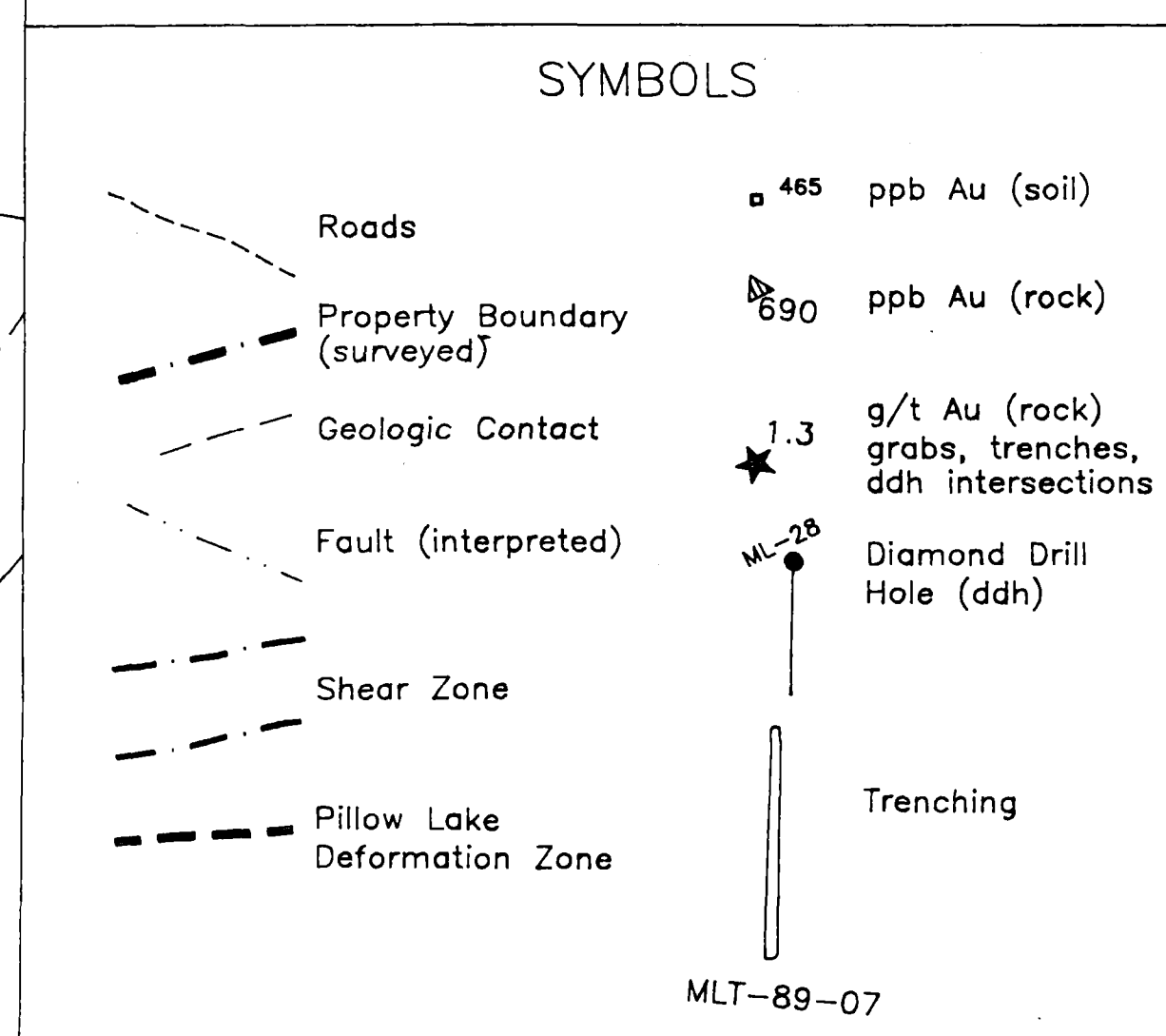




- LEGEND**
- 8 GRANITE
  - 7 DIABASE
  - 6 MAFIC-ULTRAMAFIC INTRUSION
    - a) unsubdivided
    - b) gabbro
    - c) quartz-diorite
  - 5 FELSIC-INTERMEDIATE INTRUSION
    - a) quartz porphyritic
    - b) feldspar porphyritic
    - c) quartz feldspar porphyritic
    - e) diorite
    - f) felsite
  - 4 CLASTIC SEDIMENTS
    - a) siltstone, sandstone, arkose
    - b) argillite
    - c) conglomerate
    - d) quartzite
    - e) greywacke
    - f) iron formation
    - t) tuffaceous metasediments
  - 3 FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) lapilli tuff
  - 2 INTERMEDIATE-FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow, m-massive, p-pillowed
    - c) tuff, qtz, eye tuff
    - d) lapilli tuff
    - e) qtz-sericite schist
    - f) cherty tuffite
  - 1 MAFIC-INTERMEDIATE VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) coarse porphyritic flow
    - e) sediments
    - f) cherty tuffite
    - g) amygdaloidal
    - h) pillowed

**ABBREVIATIONS**

alb	albite	gf	graphite
asp	arsenopyrite	hem	hematite
bio	biotite	if	iron formation
bl	blue	k-alt	potassic alteration
bx	brecciated	py	pyrite
calc	calcite	po	pyrrhotite
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feld	feldspar	sh	shearing
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fuch	fuchsite	tour	tourmaline
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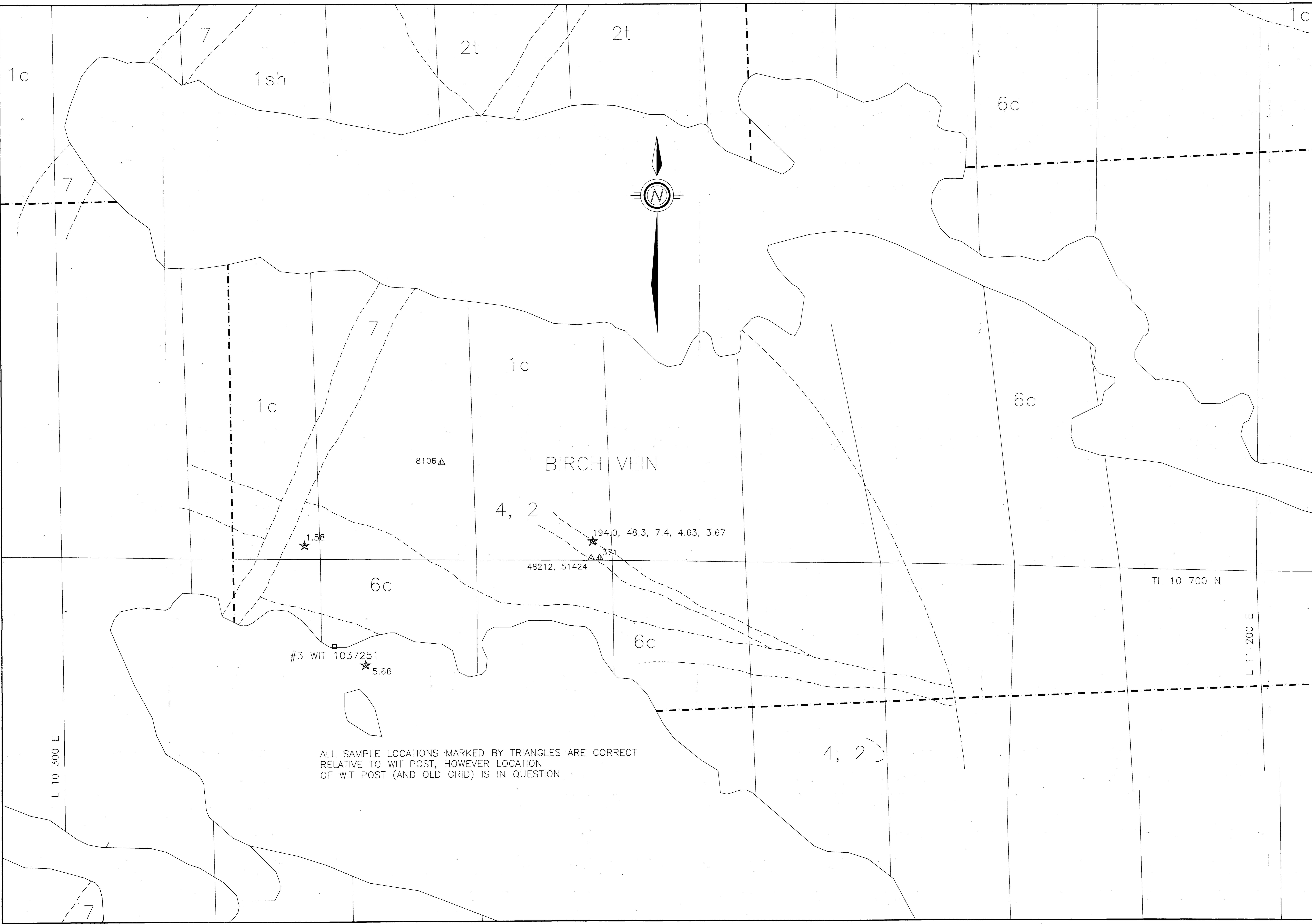


**2.17950** MAP #7  
**MURGOR RESOURCES INC.**

Detailed Compilation Map  
 Mishi Creek Block, Cameron Lake Zone

N.T.S.: 42 C/3 Scale: 1:2 000  
 Digital cartography: G. Laws Date: 03/01/97  
**CLARK-EVELEIGH CONSULTING**



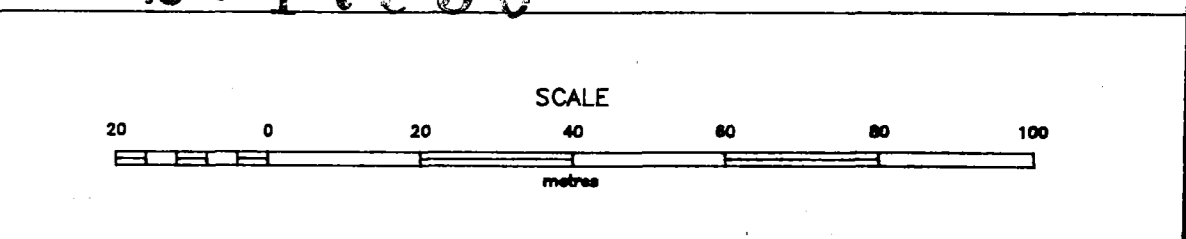


- LEGEND
- 8 GRANITE
  - 7 DIABASE
  - 6 MAFIC-ULTRAMAFIC INTRUSION
    - a) unsubdivided
    - b) gabbro
    - c) quartz-diorite
  - 5 FELSIC-INTERMEDIATE INTRUSION
    - a) quartz porphyritic
    - b) feldspar porphyritic
    - c) quartz feldspar porphyritic
    - d) diorite
    - e) felsite
  - 4 CLASTIC SEDIMENTS
    - a) siltstone, sandstone, arkose
    - b) argillite
    - c) conglomerate
    - d) quartzite
    - e) greywacke
    - f) iron formation
    - t) tuffaceous metasediments
  - 3 FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) lapilli tuff
  - 2 INTERMEDIATE-FELSIC VOLCANIC
    - a) unsubdivided
    - b) flow, m-massive, p-pillowed
    - c) tuff, qtz, eye tuff
    - d) lapilli tuff
    - e) qtz-sericite schist
    - f) cherty tuffite
  - 1 MAFIC-INTERMEDIATE VOLCANIC
    - a) unsubdivided
    - b) flow
    - c) tuff
    - d) coarse porphyritic flow
    - e) sediments
    - f) cherty tuffite
    - g) amygdaloidal
    - h) pillowed

ABBREVIATIONS

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cb	carbonate	qtz	quartz
cpy	chalcopyrite	QS	quartz stringer
cht	chert	QV	quartz vein
chl	chlorite	sch	schistose
ep	epidote	ser	sericite
feld	feldspar	sh	shearing
fp	feldspar porphyritic	sil	silicification
fuch	fuchsite	tour	tourmaline
gn	garnet		

- SYMBOLS
- Roads
  - - - Property Boundary (surveyed)
  - · - · Geologic Contact
  - · - · Fault (interpreted)
  - - - Shear Zone
  - · - · Pillow Lake Deformation Zone
  - 465 ppb Au (soil)
  - 690 ppb Au (rock)
  - ★ 1.3 g/t Au (rock) grabs, trenches, ddh intersections
  - ⊙ 25 Diamond Drill Hole (ddh)
  - ⊥ Trenching
- MLT-89-07



MAP #8

**MURGOR RESOURCES INC.**

Detailed Compilation Map  
Birch Block/Birch Vein

N.T.S.: 42 C/3 Scale: 1:1 000  
Digital cartography: G. Laws Date: 03/01/97

CLARK-EVELEIGH CONSULTING

