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Saganash Greenstone Belt
Project Number 8291

1998 Grid Mapping Program

2. 20016

Prepared By:

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Project Geologist
Falconbridge Limited
Timmins Exploration



01/25/00 MJC

Executive Summary

In August 1998, personnel from the Falconbridge Limited Timmins Exploration Office conducted grid mapping and Beep Mat surveys on six grids cut on properties in the Saganash Greenstone Belt. Previous ground geophysical surveys had defined HLEM conductors on each of the grids. The objective of the program was to map the geology of the properties and identify the conductors on the properties.

None of the conductors was explained in outcrop. The Beep Mat survey indicates that none of the conductors comes to within 3m of surface, and a mechanical trenching program is not warranted. It is recommended that the conductors be drill tested.



42G01NE2002 2.20016 NANSEN

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List of Tables

Table 1 - Schedule of Claims – Saganash Greenstone Belt Project (PN 8291)..... 5
 Table 2 - Previous Diamond Drilling 6

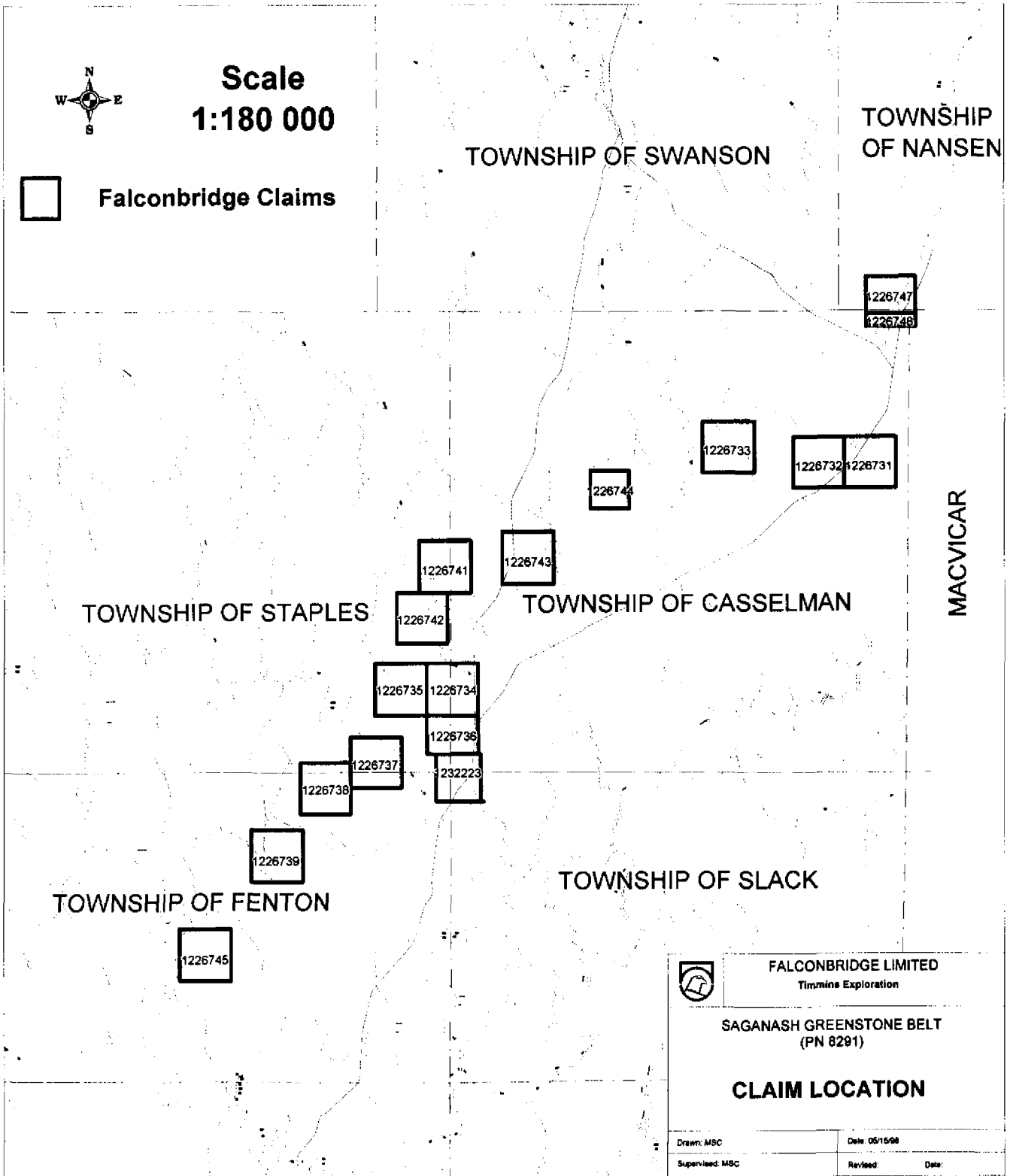
List of Figures

Figure 1 - Claim Location..... 3
 Figure 2 - Grid Location 9

Table of Contents

Executive Summary..... 1
 List of Tables 2
 List of Figures..... 2
 Table of Contents..... 2
 1.0 Introduction 4
 2.0 Location and Access 4
 3.0 Topography, Vegetation, and Water Availability 4
 4.0 Property 5
 5.0 History 5
 5.1 Previous Exploration Work 5
 5.2 Government Surveys 6
 6.0 Environmental Concerns 8
 7.0 Geology 8
 7.1 Regional Geology 8
 7.2 Property Geology..... 8
 Figure 2 -Grid Location 9
 8.0 Exploration Program..... 10
 8.1 Geophysics..... 10
 8.2 Grid Mapping 10
 8.2.1 Nansen 1 Grid 10
 8.2.2 Casselman 1 Grid..... 11
 8.2.3 Casselman 4 Grid..... 11
 8.2.4 Casselman 5 Grid..... 11
 8.2.5 Staples 3 Grid 12
 8.2.6 Fenton 2 Grid..... 12
 9.0 Conclusions and Recommendations 12
 References 13
 Certificate of Qualification 14

Figure 1 - Falconbridge Claims



1.0 Introduction

A review of the geology of the Kapuskasing structure and Opatica metasedimentary belt was initiated in 1995 in order to look for areas that may have V.M.S. potential, but have been overlooked or underexplored due to a relatively high grade of metamorphism. Based on the initial stages of this review, a very interesting belt of greenstone near Saganash Lake covering parts of Seaton, Fenton, Slack, Casselman, Staples, Nansen and MacVicar townships 40 km south of Kapuskasing (200 km northwest of the Kidd Metsite) was examined. The belt has been metamorphosed to upper amphibolite facies, and is dominantly underlain by mafic volcanic rocks with associated Fe-formation. Very little previous work has been done in the area and much of this was centred on strong magnetic anomalies associated with the Fe-formation (magnetite + hornblende + garnet). Mattagami Lake Mines conducted most of the historic work in the area (1977- 1979) having completed a Questor Input survey, some follow-up ground geophysics and diamond drilling. Many of the short strike length conductors were given a second priority rating and have not been tested.

2.0 Location and Access

The Saganash greenstone belt is located in the Porcupine Mining District, District of Cochrane, in northeastern Ontario. The belt trends northeast and runs from approximately 60km south of Kapuskasing to 10km south of Moonbeam. It covers parts of the townships of Nansen, MacVicar, Casselman, Staples, Fenton, Slack, Seaton and Griffin.

Road access to the properties is by the Swanson Road south from Kapuskasing, or the Chain of Lakes Road south from Moonbeam. At the time of writing, the Chain of Lakes Road was impassible due to a washout located approximately 8km northeast of the junction with Swanson Road.

3.0 Topography, Vegetation, and Water Availability

Topography in the area is generally flat. The mean elevation is 271m ASL, with a maximum elevation of 318m ASL. Topographic changes are generally due to glacial and glacial fluvial deposits. The one known prominent ridge of outcrop, located in Fenton Township, rises to above 300m elevation. Topography slopes gently lower to the northwest to a minimum 237m ASL.

The area is poorly drained, with substantial water at surface. The numerous swamps and ponds limit access to several of the claims until after freeze-up. Streams or intermittent streams occur on all of the individual claims. Water availability for drilling programs is expected to be good.

The major drainage systems are the Wakusimi and Saganash rivers, which flow north to Hudsons Bay.

Vegetation in the area varies from scrub brush and black spruce in the poorly drained areas to mature poplar and mixed coniferous growth along the ridges and eskers. The area was last logged in the early to mid 1980's.

4.0 Property

The present Saganash Greenstone Belt (P.N. 8291) property position consists of 16 claims, comprising 229 units. A schedule of claims is included as Table 1 of this report. Claim locations are shown in Figure 1.

Table 1 - Schedule of Claims – Saganash Greenstone Belt Project (PN 8291)

Claim #	Township	Units	Date Recorded	Date Staked
1226731	Casselman	16	3/23/98	3/17/98
1226732	Casselman	16	3/23/98	3/17/98
1226733	Casselman	16	3/23/98	3/18/98
1226734	Casselman, Staples	16	3/23/98	3/17/98
1226735	Staples	16	3/23/98	3/18/98
1226736	Casselman, Staples	12	3/23/98	3/18/98
1226737	Staples, Fenton	16	3/23/98	3/20/98
1226738	Staples, Fenton	16	3/23/98	3/19/98
1226739	Fenton	16	3/23/98	3/19/98
1226741	Casselman, Staples	16	3/23/98	3/19/98
1226742	Staples	16	3/23/98	3/20/98
1226743	Casselman	16	3/23/98	3/18/98
1226744	Casselman	9	3/23/98	3/19/98
1226745	Fenton	16	3/23/98	3/18/98
1226747	Nansen	12	4/17/98	4/16/98
1226748	Casselman, MacVicar	4	4/17/98	4/16/98
Total		229		

5.0 History

5.1 Previous Exploration Work

The area has seen very little exploration work. The first recorded work in the area was done by the Bonnie Prince Syndicate in 1947, and aimed at determining an iron resource from the known Fe-formation outcropping in Fenton Township. Minor gold exploration was conducted in the late 1950's.

The only systematic base metal exploration program conducted in the belt occurred in the mid to late 1970's. Mattagami Lake Mines flew a Questor Input airborne survey and followed up with ground geophysics and diamond drilling. Targets primarily were focussed on the formational conductors, which were explained as Fe-formation. Fourteen holes were drilled over a three-year period. The program ended with the closing of the Mattagami Lake Mines Timmins exploration office in 1980. Only one hole has been drilled since 1979. A summary of the previous drilling is presented in Table 2. Only 24 holes, totaling 3089m (10136') have been drilled within the AEM survey area.

5.2 Government Surveys

Limited government survey work has been done in the belt. Some preliminary mapping by the GSC was conducted in 1935-36. An OGS Preliminary map for part of the area was released in 1948. The only systematic mapping program was conducted in the late 1950's, which resulted in a map and report released in 1960 (R. C. McMurchy, Geology of the Saganash Lake- Wakusimi River Area, Ontario Department of Mines, Annual Report Volume LXIX, Part 3, 1960.)

The area has not been flown by a government-sponsored AEM survey. A government airborne magnetometer survey was flown over the area in 1958. This survey was sponsored by the GSC and was conducted on half-mile flight line spacing at a half-mile altitude.

During the summer of 1997, the OGS Quaternary and Sedimentary Section conducted an overburden sampling program for kimberlite, base metal and gold indicator minerals (T. F. Morris 1998, Kimberlite, Base Metal and Gold Exploration Targets, Kapuskasing Area, Northeastern Ontario, Miscellaneous Release – Data 34). Part of this survey covered the Saganash greenstone belt.

Table 2 - Previous Diamond Drilling

Hole	Claim	Township	Logged By	UTME	UTMN	Start	Finish	Depth (ft)	Azim.	Dip	Company and Assessment File
MLM-76-2	456972	CASSELMAN TWP.	M.W. PICKENS	396514	5442548	19760925	19760928	350	225	-50	T-1797 MATTAGAMI LAKE MINES LTD.
MLM-78-10	394327	CASSELMAN TWP.	P. NIELSEN	405277	5439235	19780404	19780407	437	135	-50	T-1824 MATTAGAMI LAKE MINES LTD.
MLM-78-5	458755	CASSELMAN TWP.	P. NIELSEN	400461	5444705	19780209	19780216	507	130	-50	T-1826 MATTAGAMI LAKE MINES LTD.
MLM-78-6	451460	CASSELMAN TWP.	P. NIELSEN	395475	5437734	19780221	19780226	419	360	-50	T-1825 MATTAGAMI LAKE MINES LTD.

MLM-78-8	451339	CASSELMAN P. NIELSEN TWP.		402443	5439179	19780320	19780323	356	137	-50	T-1832 MATTAGAMI LAKE MINES LTD.
MLM-78-9	451345	CASSELMAN P. NIELSEN TWP.		406172	5441249	19780329	19780401	517	315	-50	T-1833 MATTAGAMI LAKE MINES LTD.
MLM-79-12	394298	CASSELMAN P. NIELSEN TWP.		400515	5444982	19790126	19790127	296	310	-50	T-1826 MATTAGAMI LAKE MINES LTD.
MLM-79-13	394293	CASSELMAN P. NIELSEN TWP.		400442	5445359	19790128	19790130	326	312	-50	T-1826 MATTAGAMI LAKE MINES LTD.
MLM-79-14	458756	CASSELMAN P. NIELSEN TWP.		400217	5444415	19790131	19790202	342	312	-50	T-1826 MATTAGAMI LAKE MINES LTD.
MLM-79-15	522094	CASSELMAN P. NIELSEN TWP.		398738	5443685	19790203	19790205	326	305	-50	T-1826 MATTAGAMI LAKE MINES LTD.
MLM-79-16	522095	CASSELMAN P. NIELSEN TWP.		398500	5443669	19790206	19790208	296	305	-50	T-1921 MATTAGAMI LAKE MINES LTD.
MLM-79-17	458750	CASSELMAN P. NIELSEN TWP.		401378	5445433	19790209	19790211	305	330	-50	T-1826 MATTAGAMI LAKE MINES LTD.
TRM-91-1	1116321	CASSELMAN PAUL TWP. DUNBAR		400526	5444640	19911201	19911203	278	315	-45	T-3470 M.A. TREMBLAY PROPERTY
AKA-65-1	P82034	FENTON A.K. ALLISON TWP.		393914	5432646	19650526	19650531	203	0	-90	A.K. ALLISON PROP. T-1093
CMF-47-1	43507	FENTON TWP.		392470	5429934	19470914	19470920	500	144.5	-45	CAMFLO MATTAGAMI MINES T-119
CMF-47-2	43508	FENTON TWP.		392529	5430002	19470922	19470927	451	150.5	-45	CAMFLO MATTAGAMI MINES T-119
CMF-47-3	43486	FENTON TWP.		390428	5430144	19470930	19471004	487	330	-80	CAMFLO MATTAGAMI MINES T-119
CMF-47-4	43486	FENTON TWP.		390408	5430271	19471006	19471010	566	150	-55	CAMFLO MATTAGAMI MINES T-119
CMF-59-C1	P44711	FENTON C. FOX TWP.		393480	5431753	19590810	19590819	777	330	-45	CAMFLO MATTAGAMI MINES T-119
CMF-59-C2	P47806	FENTON C. FOX TWP.		393122	5431633	19590920	19590924	389	330	-45	CAMFLO MATTAGAMI MINES T-119
MLM-76-4		FENTON J. HINZER TWP.		391153	5429265	19761004	19761010	397	315	-50	MATTAGAMI LAKE MINES T- 1796
KV-64-12		GRIFFIN H.D. McLEOD TWP.		406927	5410853	19641109	19641112	399	155	-50	KEEVIL MINING GROUP T-1036
ARS-79-1	497462	SLACK TWP. J. ARSENAULT		397421	5433167	19790801	19790830	280	46	-60	R.G. ARSENAULT PROP. T-1935

MLM-76-3	SLACK TWP.	J. HINZER	394511	5430851	19760928	19761003	332	315	-50	MATTAGAMI LAKE MINES T- 1796
MLM-78-7	SLACK TWP.	P. NIELSEN	398406	5431705	19780309	19780312	600	310	-50	MATTAGAMI LAKE MINES T- 1839

6.0 Environmental Concerns

No environmental concerns have been identified on the property. No previous mining or industrial activities are known to have been conducted in the area, with the exception of past logging activities. No old growth forest is known to exist in the area. Streams with the potential to provide fish habitat occur on all of the individual claims.

The crown holds surface rights on all of the claims. No land tenure or access issues are known to exist.

7.0 Geology

7.1 Regional Geology

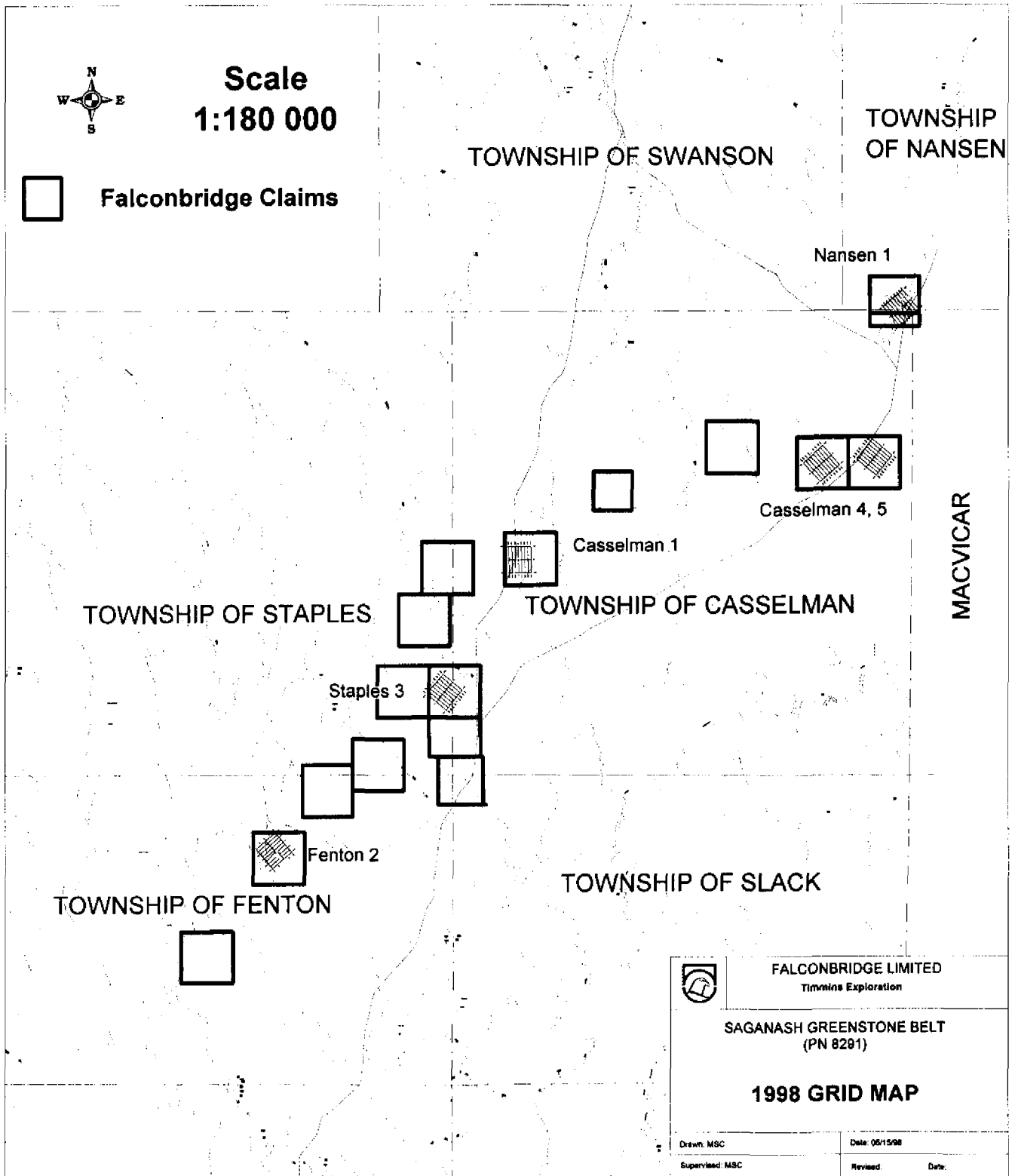
The Saganash greenstone belt is located west of the Kapuskasing Structural Zone. The belt is therefore considered to be part of the Wawa Subprovince of the Superior Province (Williams et al., 1991). It should be noted that the Saganash belt was not addressed in the Geology of Ontario, and no lithotectonic assemblages have been defined for the belt.

The belt is composed predominantly of amphibolite grade mafic metavolcanic rocks and associated metasediments (McMurchy, 1960). No felsic metavolcanic rocks are known to exist in outcrop. Diamond drill logs from the Mattagami Lakes Mines diamond drill program indicate the presence of quartz-sericite schist, which was interpreted to be felsic tuffs and lapilli tuffs. No whole rock geochemistry is known to exist for the felsic horizons.

7.2 Property Geology

Detailed property geology is not known. Geology as interpreted from the airborne magnetic survey would indicate that all of the claims are underlain by Fe-formation, and probably mafic metavolcanic rocks and metasediments. Stratigraphy extrapolated from previous drilling suggests that most of the claims have good potential for containing felsic metavolcanic rocks.

Figure 2 - Grid Location



8.0 Exploration Program

8.1 Geophysics

A review of the geology of the Kapuskasing structure and Opatoca metasedimentary belt was initiated in 1995 in order to look for areas that may have V.M.S. potential, but have been overlooked / underexplored due to a relatively high grade of metamorphism. This work identified the Saganash greenstone belt as an area of potential for grass roots exploration. A compilation of previous work was conducted during 1996. In December 1997 Geoterrax-Dighem flew an AEM survey comprising 1600km of 200m spaced lines covering a 325 sq km area.

During the winter of 1998, M. Collison, Project Geologist and S. Taylor, Project Geophysicist of the Timmins Exploration Office, Falconbridge Limited, defined targets for staking and ground follow-up.

During the spring and early summer of 1998, grids were established over six of the properties accessible before freeze-up. HLEM and ground magnetic surveys were completed (Londry 1998a – f). Grid locations are shown in Figure 2.

8.2 Grid Mapping

In August of 1998, K. Smuk B.Sc. Geol. and E. Gillespie B.Sc. Geol., contract employees of the Timmins Exploration office, mapped the established grids on the Saganash claims. The objective of the program was to determine if the target conductors defined by the HLEM surveys could be explained in outcrop, or if there were indications that the conductors sub-cropped and could be explained by trenching. To this end, all grid lines were mapped and a Beep Mat was dragged over defined conductor axes, including between grid lines. In areas with no outcrop exposure, forest cover was mapped and periodic determination of overburden type was conducted. The resulting maps are included in the back pocket of this report.

8.2.1 Nansen 1 Grid

The Nansen 1 grid was cut over parts of claims 1226747 and 1226748 located in Nansen, MacVicar and Casselman townships. An unnamed tributary of Nansen Creek flows through the property. Access to the grid is via the Chain of Lakes road south from Moonbeam. An 800m baseline was cut at 050° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline. Six of the lines were impassable over the creek.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation varies from spruce replant and mature spruce and poplar forest to grassy marsh and open

water. Overburden is predominantly sand, with organic rich loam common in the marshes and surrounding the creeks.

8.2.2 Casselman 1 Grid

The Casselman 1 grid was cut over part of claim 1226743 located in Casselman Township. An unnamed tributary of the Little Saganash River flows through the southwest corner of the grid. Access to the grid is via the Swanson Road south from Kapaskasing. An 800m baseline was cut at 0° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation varies from mature spruce and poplar forest to grassy marsh to clearcut. Overburden is predominantly sand and loam, with organic rich loam common in the southeast portion of the grid.

8.2.3 Casselman 4 Grid

The Casselman 4 grid was cut over part of claim 1226732 located in Casselman Township. Access to the grid is via the Chain of Lakes Road south from Moonbeam. The grid is located approximately 280m northwest of the road. An 800m baseline was cut at 50° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation is predominantly coniferous forest, become more cedar swamp on the easternmost portions of the grid. Overburden is predominantly sand or loam till, with organic rich soil common in the eastern portion of the grid.

8.2.4 Casselman 5 Grid

The Casselman 5 grid was cut over part of claim 1226731 located in Casselman Township. Access to the grid is via the Chain of Lakes Road south from Moonbeam. The road crosses the grid in the vicinity of TL 400 W. An 800m baseline was cut at 40° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation is predominantly mature spruce and poplar forest, with some cedar swamp through the south

and west central portions of the grid. Overburden is predominantly hummocky ground moraine of sand or loam, covered with sponge moss.

8.2.5 Staples 3 Grid

The Staples 3 grid was cut over parts of claims 1226734 and 1226735 located in Staples and Casselman townships. Access to the grid is via the Swanson Road south from Kapaskasing. The road crosses the grid in the vicinity of TL 400 W. An 800m baseline was cut at 40° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation is predominantly mature spruce and poplar forest, with some cedar swamp through the south and west central portions of the grid. Overburden is predominantly hummocky ground moraine of sand or loam, covered with sponge moss.

8.2.6 Fenton 2 Grid

The Fenton 2 grid was cut over part of claim 1226739 located in Fenton Township. Access to the grid is via the Swanson Road south from Kapaskasing, and then along an ATV trail to the grid. An 800m baseline was cut at 320° azimuth. Nine 800m lines were cut off the baseline, and tie lines were cut at 400m north and south of the baseline.

No outcrop was discovered on the grid. The Beep Mat survey failed to find indications of conductive subcrop or indications of buried outcrop within the nominal three metre depth of penetration. The conductor was not explained. Vegetation is predominantly mature spruce and poplar forest, with some cedar swamp along the eastern boundary of the grid. Overburden is predominantly hummocky ground moraine of sand and minor gravel, becoming more clay rich along the eastern portion of the grid and organic rich at the marsh in the south central portion of the grid.

9.0 Conclusions and Recommendations

The grid mapping program failed to discern the nature of the HLEM conductors on the properties. The Beep Mat survey of the conductors suggests that overburden over the conductive horizons is greater than 3m depth. It is recommended that priority HLEM conductors be tested by drilling.

References

- Londry, D., 1998a. Report on Geophysical Work, Nansen 1, Nansen Township. Unpublished Geophysical Report.
- Londry, D., 1998b. Report on Geophysical Work, Casselman 1, Casselman Township. Unpublished Geophysical Report.
- Londry, D., 1998c. Report on Geophysical Work, Casselman 4, Casselman Township. Unpublished Geophysical Report.
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- Londry, D., 1998e. Report on Geophysical Work, Fenton 2, Fenton Township. Unpublished Geophysical Report.
- Londry, D., 1998f. Report on Geophysical Work, Staples 3, Staples Township. Unpublished Geophysical Report.
- McMurchy R.C., Geology of the Saganash Lake- Wakusimi River Area, Ontario Department of Mines, Annual Report Volume LXIX, Part 3, 1960.
- Morris, T.F. 1998, Kimberlite, Base Metal and Gold Exploration Targets, Kapuskasing Area, Northeastern Ontario, Miscellaneous Release – Data 34
- Williams, H.R., Stott, G.M. Heather, K.B. Muir, T.L. and Sage, R.P., 1991. Wawa Subprovince. *In* Geology of Ontario, O.G.S. Special Volume 4, Part 1. P.485-583.

Certificate of Qualification

I, Michael Collison, of the City of Timmins, Province of Ontario, hereby certify that:

1. I am a geologist residing at #5-155 Kelly Ann Drive, Timmins, Ontario, P4P 1G3.
2. I am a graduate of the University of Western Ontario with the degree of B.Sc. (Honors Geology) awarded in 1991 and the degree of M.Sc. awarded in 1993.
3. I have been employed continuously as a geologist since 1994.
4. I have been employed by Falconbridge Limited, Timmins Exploration Office since 1994.
5. I am a licensed prospector, Lic M25882
6. I supervised the technical work described in this report.
7. I have no financial interest in the property described in this report, nor do I expect to acquire any.



Michael Collison, M.Sc.
Project Geologist
Falconbridge Limited
Timmins Exploration



Subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions about this form should be directed to the Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario N2T 8S1.

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

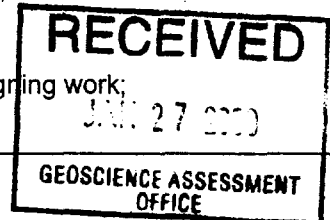
1. Recorded holder(s) (Attach a list if necessary)

Name Falconbridge Limited	Client Number 130679
Address P.O. Box 1140, Kidd Creek Minesite Drop 702	Telephone Number (705) 264-5200 Ext. 8242
Timmins, Ontario P4N 7H9	Fax Number (705) 267-8874
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.

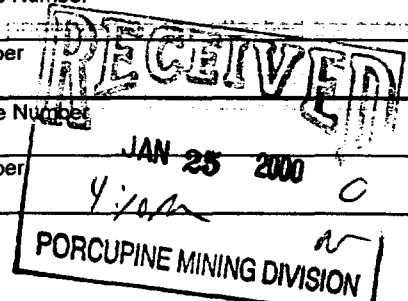
<input checked="" type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input type="checkbox"/> Physical: drilling stripping, trenching and associated assays	<input type="checkbox"/> Rehabilitation
Work Type Geologic Mapping	Office Use	
	Commodity	
	Total \$ Value of Work Claimed <i>\$4080</i>	
Dates Work Performed From 1 August 98 To 20 January 2000	NTS Reference	
Global Positioning System Data (if available)	Township/Area Nansen, Casselman, Staples, Fenton	Mining Division <i>Porcupine</i>
	M or G-Plan Number	Resident Geologist District <i>Timmins</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.



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

Name Michael Collison, Project Geologist, Falconbridge Limited, Timmins Exploration	Telephone Number (705) 264-5200 Ext 8242
Address P.O. Box 1140, Kidd Creek Minesite Drop 702, Timmins Ontario, P4N 7H9	Fax Number (705) 267-8874
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, Michael Collison, 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>Michael Collison</i>	Date 01/25/00
Agent's Address P.O. Box 1140, Kidd Creek Minesite Drop 702, Timmins P4N 7H9	Telephone Number (705) 264-5200 Ext. 8242
	Fax Number (705) 267-8874

apr 24 / 2000

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. (WCC60.0062)

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 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 1226731	16	747	747	0	0
2 1226732	16	747	747	0	0
3 1226734	16	746	746	0	0
4 1226739	16	746	746	0	0
5 1226743	16	746	746	0	0
6 1226747	12	539	748	0	0
7 1226748	4	209	0	209	0
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	96	4480	4480	209	0

I, Michael Collison, 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.
(Print Full Name)

Signature of Recorded Holder or Agent Authorized in Writing

Date

01/25/00

2, 200 10

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):

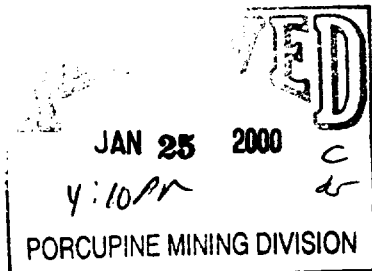
- A recorded holder may be required to verify expenditures claimed in this statement of verification and/or correction/clarification. If verification and/or correction/clarification is required, it must be submitted to the Mining Recorder within 30 days of the date of this statement.

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 (03/97)





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 Mapping and Beep Mat Survey, Supervision, Report, Associated Costs, Transportation Costs, and Food and Lodging Costs.

2,200.16

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.

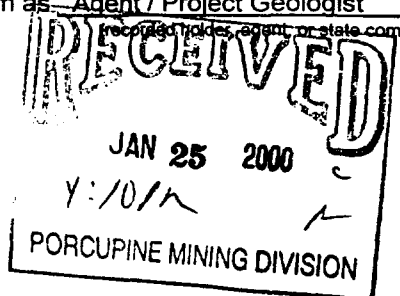
TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

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, Michael Collison, 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 / Project Geologist I am authorized to make this certification.



Signature [Handwritten Signature] Date 01/25/00

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

March 1, 2000

Mike Collison
FALCONBRIDGE LIMITED
P.O. Box 1140
Kidd Creek Minesite Drop 702
Timmins, Ontario
P4N 7H9

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

Dear Sir or Madam:

Submission Number: 2.20016

Status

Subject: Transaction Number(s): W0060.00021 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 STEVE BENETEAU by e-mail at steve.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.20016

Date Correspondence Sent: March 01, 2000

Assessor: STEVE BENETEAU

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00021	1226731	NANSEN, STAPLES, CASSELMAN, FENTON	Approval	March 01, 2000

Section:

12 Geological GEOL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

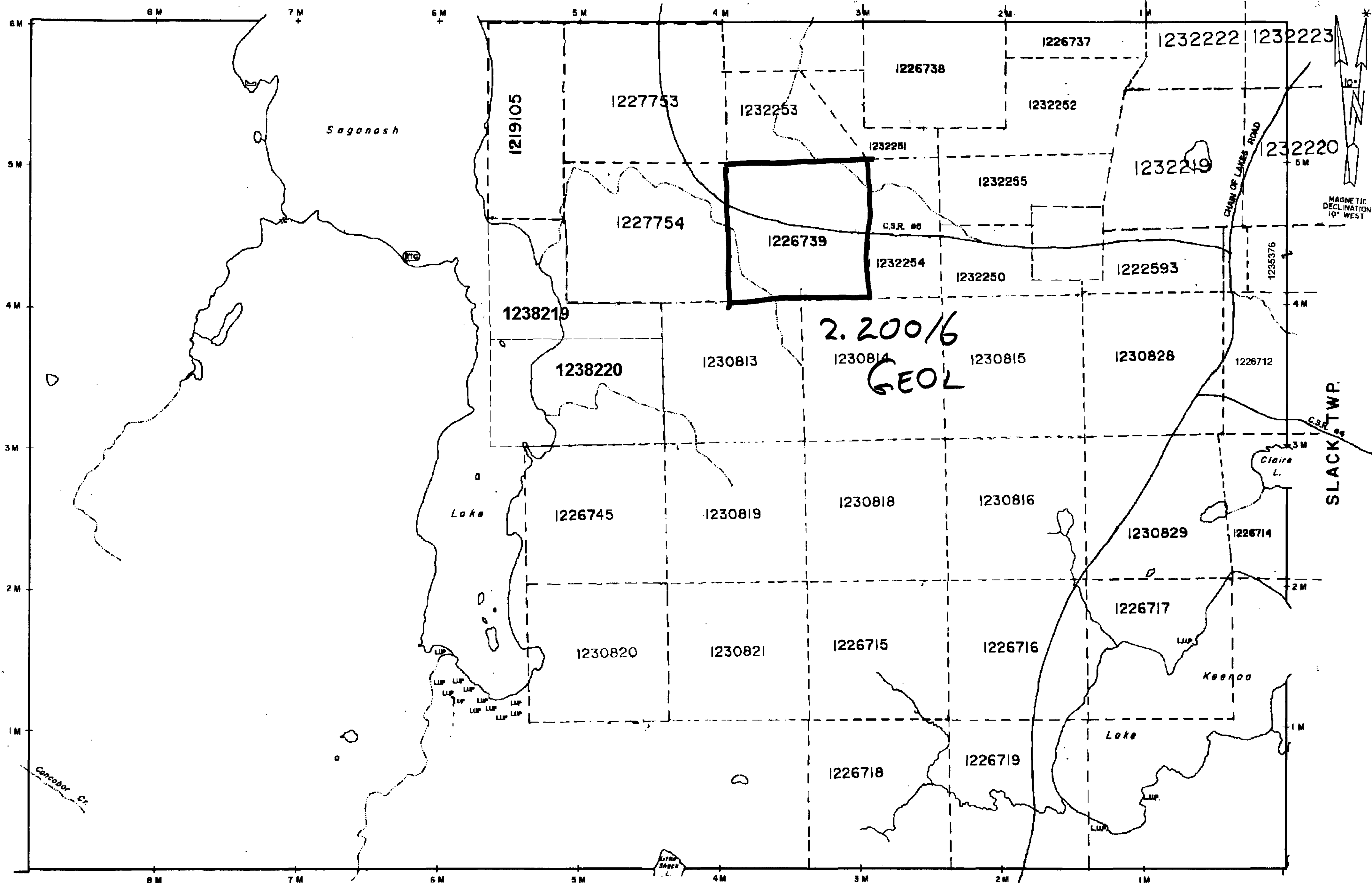
Recorded Holder(s) and/or Agent(s):

Mike Collison
FALCONBRIDGE LIMITED
Timmins, Ontario

CONCOBAR TWP.

STAPLES TWP.

SEATON TWP.



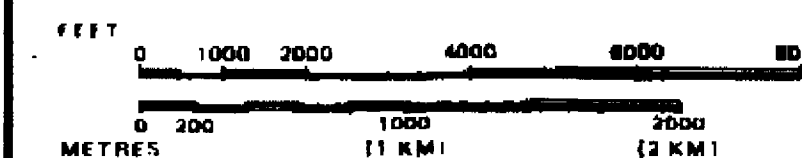
LEGEND

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

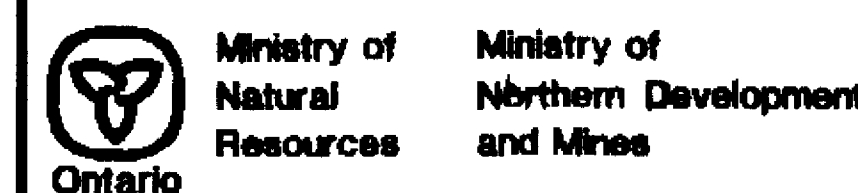
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMIT - L.U.P.	
REMOTE TOURIST CAMP - (R.T.C.)	

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP
FENTON

M.N.R. ADMINISTRATIVE DISTRICT
HEARST
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



Date: _____ Number: **G-874**

ACTUATED JULY 30, 1994
BY P.P.
CHECKED BY D.C.

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



42001NR2002 2.20016 NANSEN 200

SEC 35 W-LL-P 158999 ONT MAY 15 89 1885
(200 METRES FROM WATER'S EDGE)

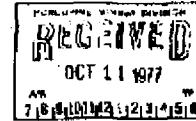
NANSEN

M-884

DISTRICT OF COCHRANE
Scale: 40 chs. to an inch
PORCUPINE MINING DIVISION
FAUQUIER

THE INFORMATION THAT
HAS BEEN OBTAINED
FROM VARIOUS SOURCES
AND ACCURACY IS NOT
GUARANTEED. VISORS
WISHING TO STAKE MIN-
ING CLAIMS SHOULD CON-
SULT WITH THE MINING
RECORDS, MINISTRY OF
NORTHERN DEVELOP-
MENT AND MINES, FOR AD-
DITIONAL INFORMATION
ON THE STATUS OF THE
LANDS SHOWN HEREON.

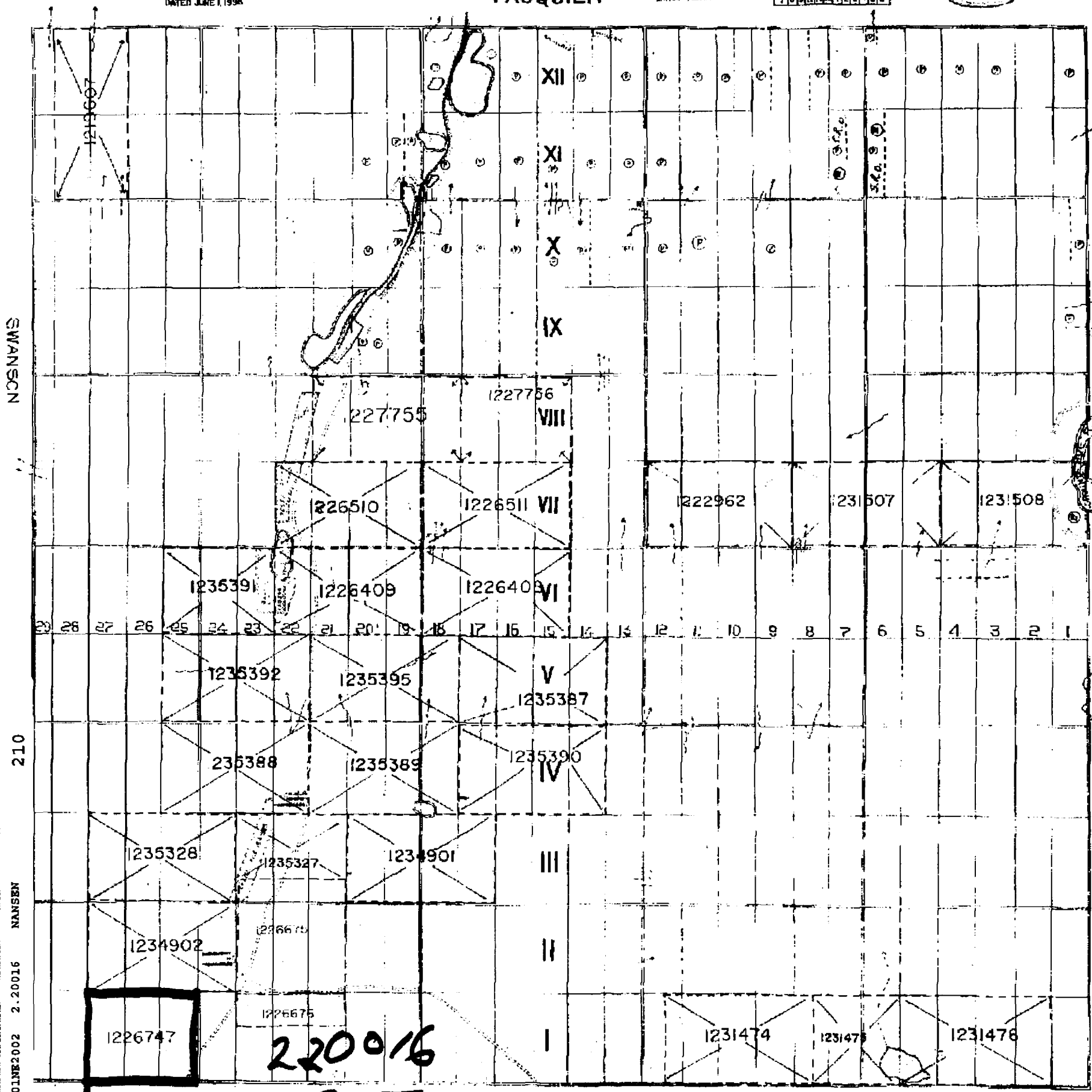
MINISTRY OF NATURAL RESOURCES
SURVEY AND MAPPING BRANCH



NOTE
400' Surface Rights Reservation
around of Lakes and Rivers.

① SURFACE AND MINING RIGHTS RESERVATION UNDER
SECTION 35 OF THE CLASSES ACT, 1960
ORDER NO. W-LL-P 158999 ONT MAY 15 89 1885

② THE INFORMATION IS BASED ON THE DATA
DATED JUNE 1, 1958



MINING RIGHTS ONLY RESERVED UNDER
SECTION 35 OF THE CLASSES ACT
1960 ORDER NO. W-LL-P 158999 ONT MAY 15 89 1885

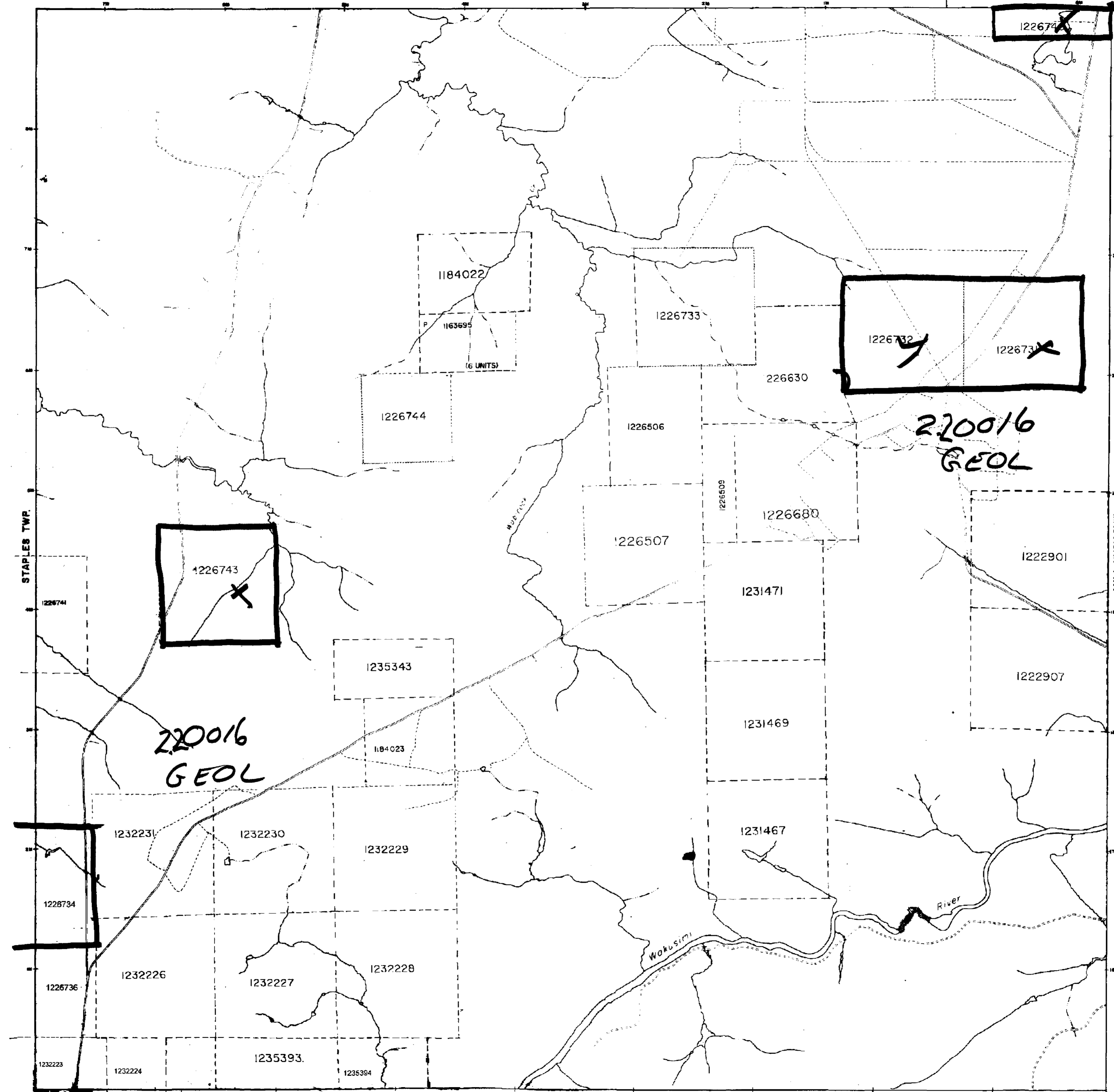
SHACKLETON



42601NE3002 2.20016 NANSEN

220016
GEOLOGICAL

SWANSON TWP



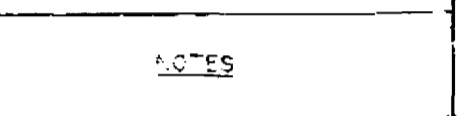
LEGEND

HIGHWAY AND ROUTE NO.	—
OTHER ROADS	—
TRAILS	—
SURVEYED LINES	—
TOWNSHIPS, BASE LINES ETC.	—
LOTS, MINING CLAIMS, PARCELS, ETC.	—
UNSHOWN LOTS	—
LOT LINES	—
PARCEL BOUNDARY	—
MINING CLAIMS ETC.	—
RAILWAY AND RIGHT OF WAY	—
UTILITY LINES	—
NON-PERMANENT STREAM	—
FLOODING OR FLOODING RIGHTS	—
SUBDIVISION OR COMPOSITE PLAN	—
RESERVATIONS	—
ORIGINAL BOUNDARY	—
FARSH OR MURKIN	—
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	○
LAND USE PLAN 5 - OR CONVENTIONAL CLAIMS	○

NOTE: SURFACE RIGHTS & MINING RIGHTS PRIOR TO MAY 1, 1982 ARE TO BE CANCELLED BY THE PUBLIC LANDS ACT, 1982. ONLY 300,000 SQ. KILOMETERS.



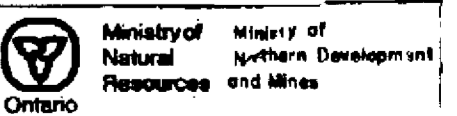
ACTS

STAPLES TWP. (left side)

MACVICAR TWP. (right side)

SLACK TWP. (bottom)

TOWNSHIP
CASSELMAN
M.E.S. ADMINISTRATIVE DISTRICT
KAPUSKASING
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



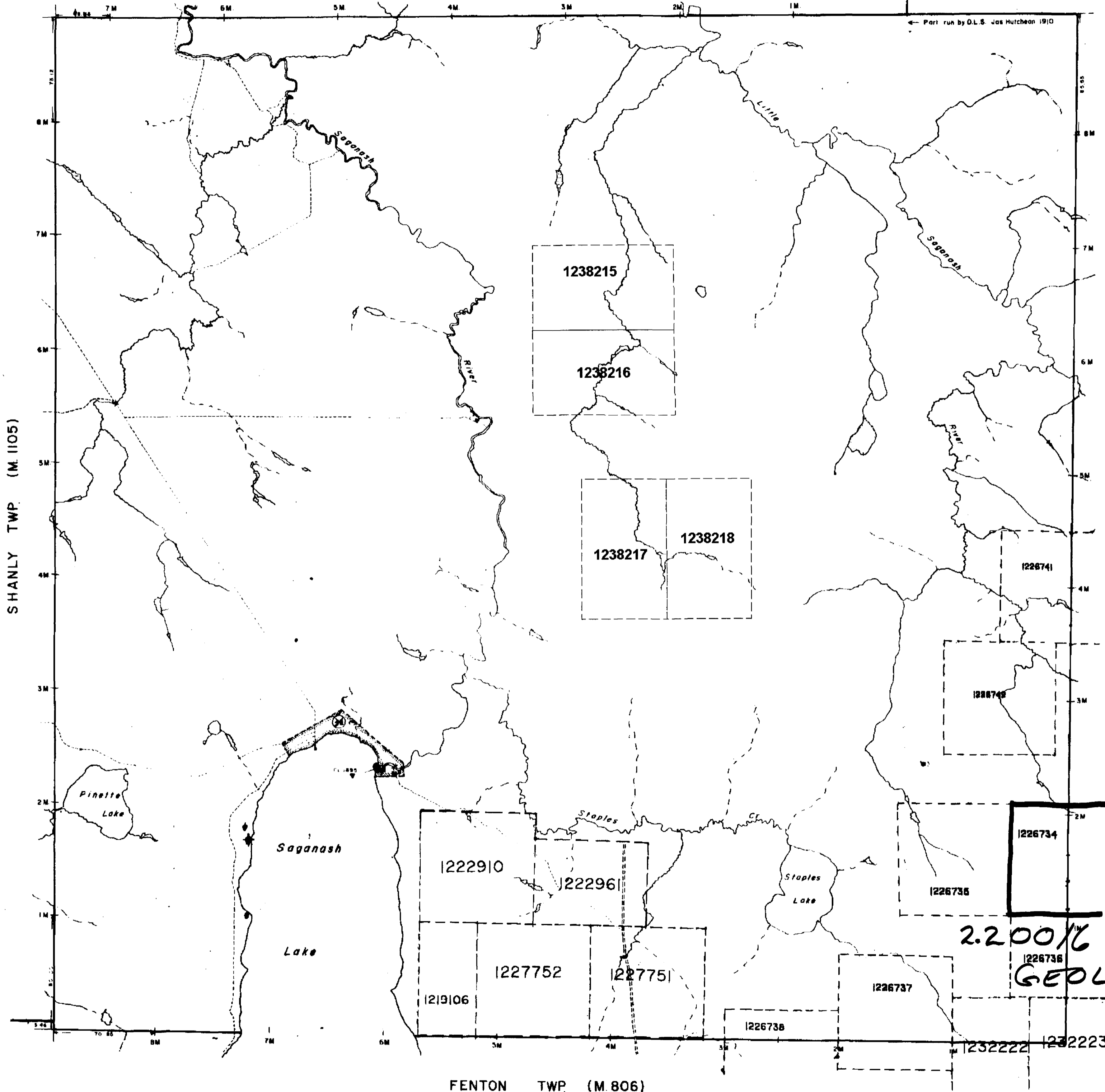
Date: OCTOBER 2002
Map No: 220016
Sheet: **G-862**

220
43G01NS2002 2-20016 NANSEN

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

SULMAN TWP. (M.1148)

Swanson Twp. (M.1149)



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
- REMOTE TOURIST CAMPS

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. 1910, CHAP. 300, SEC. 63, SUBSEC. 1

NOTES

400' Surface Rights Reservation around all lakes and rivers.

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970)

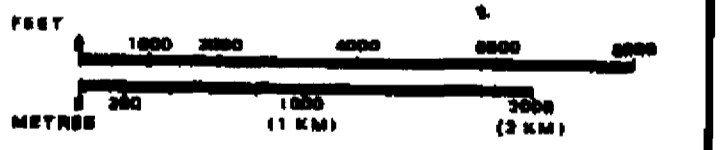
Order No.	File	Date	Disposition
10	1000000	0-0-77	S & O

A.U.P.

THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1980. FURTHER INFORMATION AVAILABLE ON FILE.

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.

SCALE: 1 INCH = 40 CHAINS



ACRES	HECTARES
40	16

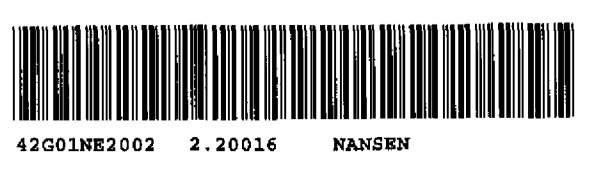
TOWNSHIP OF STAPLES

DISTRICT OF COCHRANE

MINING DIVISION

PORCUPINE
Almond May 8/80
Ministry of Natural Resources
Sudbys and Mapping Branch
Ontario

Date 18 / 03 / 1980
Plan No. M.1125
National Topographic Series



CASSELMAN TWP.

2. 20016

LEGEND

Geology

MAJOR ROCK DIVISIONS	TEXTURAL/GEOCHEMICAL MODIFIERS	TEXTURAL/STRUCTURAL MODIFIERS	MINERALOGICAL NAMES
15 TOBE ANNEALED	15 TOBE ANNEALED	15 TOBE ANNEALED	15 TOBE ANNEALED
14 VOLCANIC SUPERGROUP	14 VOLCANIC SUPERGROUP	14 VOLCANIC SUPERGROUP	14 VOLCANIC SUPERGROUP
13 METAMORPHIC (Gneiss)	13 METAMORPHIC (Gneiss)	13 METAMORPHIC (Gneiss)	13 METAMORPHIC (Gneiss)
12 GNEISS	12 GNEISS	12 GNEISS	12 GNEISS
11 SCHIST	11 SCHIST	11 SCHIST	11 SCHIST
10 GRANITE	10 GRANITE	10 GRANITE	10 GRANITE
9 FELSIC INTERMEDIATE ROCKS	9 FELSIC INTERMEDIATE ROCKS	9 FELSIC INTERMEDIATE ROCKS	9 FELSIC INTERMEDIATE ROCKS
8 INTERMEDIATE BASIC ROCKS	8 INTERMEDIATE BASIC ROCKS	8 INTERMEDIATE BASIC ROCKS	8 INTERMEDIATE BASIC ROCKS
7 BASIC INTERMEDIATE ROCKS	7 BASIC INTERMEDIATE ROCKS	7 BASIC INTERMEDIATE ROCKS	7 BASIC INTERMEDIATE ROCKS
6 ULTRABASIC INTERMEDIATE ROCKS	6 ULTRABASIC INTERMEDIATE ROCKS	6 ULTRABASIC INTERMEDIATE ROCKS	6 ULTRABASIC INTERMEDIATE ROCKS
5 GABBRO	5 GABBRO	5 GABBRO	5 GABBRO
4 DIORITE	4 DIORITE	4 DIORITE	4 DIORITE
3 ANDESITE	3 ANDESITE	3 ANDESITE	3 ANDESITE
2 BASALT	2 BASALT	2 BASALT	2 BASALT
1 DIORITE	1 DIORITE	1 DIORITE	1 DIORITE
0 UNCLASSIFIED	0 UNCLASSIFIED	0 UNCLASSIFIED	0 UNCLASSIFIED

- Road
- HLEM Anomaly
- Marsh
- Creek, River
- Intermittent Creek
- Beaver Dam
- Grid Line
- Vegetation
- Claim Boundary
- Township and Lot Boundaries
- Claim Post, Unlocated



FALCONBRIDGE LIMITED	
Exploration Division	Timmins, ONTARIO
Saganash PN 291	
Grid Map Casselman 1	
TRACED : M.S.C.	DATE : 11/99
DRAWN : K.S.	DATE : 08/98
SUPERVISED : M.S.C.	DATE : 11/99
REVISED :	DATE :
NTS : 42-G1	PROJECT : 291
MAP No :	FILE : TEMPWOR
1 : 5,000	



CASSELMAN TWP.

MACVICAR TWP.

21M

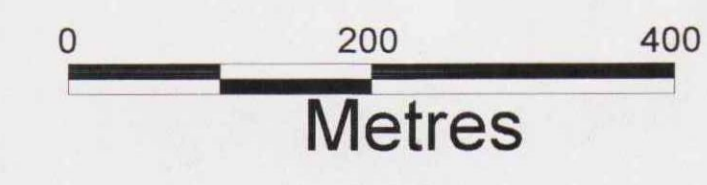
BD

LEGEND

Geology		TEXTURAL/GEOCHEMICAL MODIFIERS		TEXTURAL/STRUCTURAL MODIFIERS		MINERALOGICAL NAMES		ROCK TYPE	
[Detailed legend entries including rock divisions, modifiers, mineral names, and rock types with corresponding symbols and codes]									

2. 200 16

- [Symbol] Road
- [Symbol] HLEM Anomaly
- [Symbol] Marsh
- [Symbol] Creek, River
- [Symbol] Intermittent Creek
- [Symbol] Beaver Dam
- [Symbol] Grid Line
- [Symbol] Vegetation
- [Symbol] Claim Boundary
- [Symbol] Township and Lot Boundaries
- [Symbol] Claim Post, Unlocated



FALCONBRIDGE LIMITED Exploration Division Timmins, ONTARIO		
Saganash PN 291		
Grid Map Casselman 5		
TRACED: M.S.C. DATE: 1/99	NTS: 42-G1	PROJECT: 291
DRAWN: K.S. DATE: 08/98	MAP No:	FILE: TEMP WDR
SUPERVISED: M.S.C. DATE: 1/99	1 : 5 , 0 0 0	
REVISED: DATE:		



STAPLES TWP. CASSELMAN TWP.



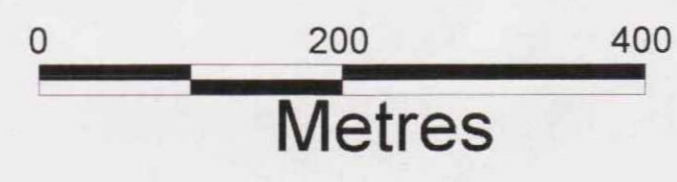
LEGEND

Geology

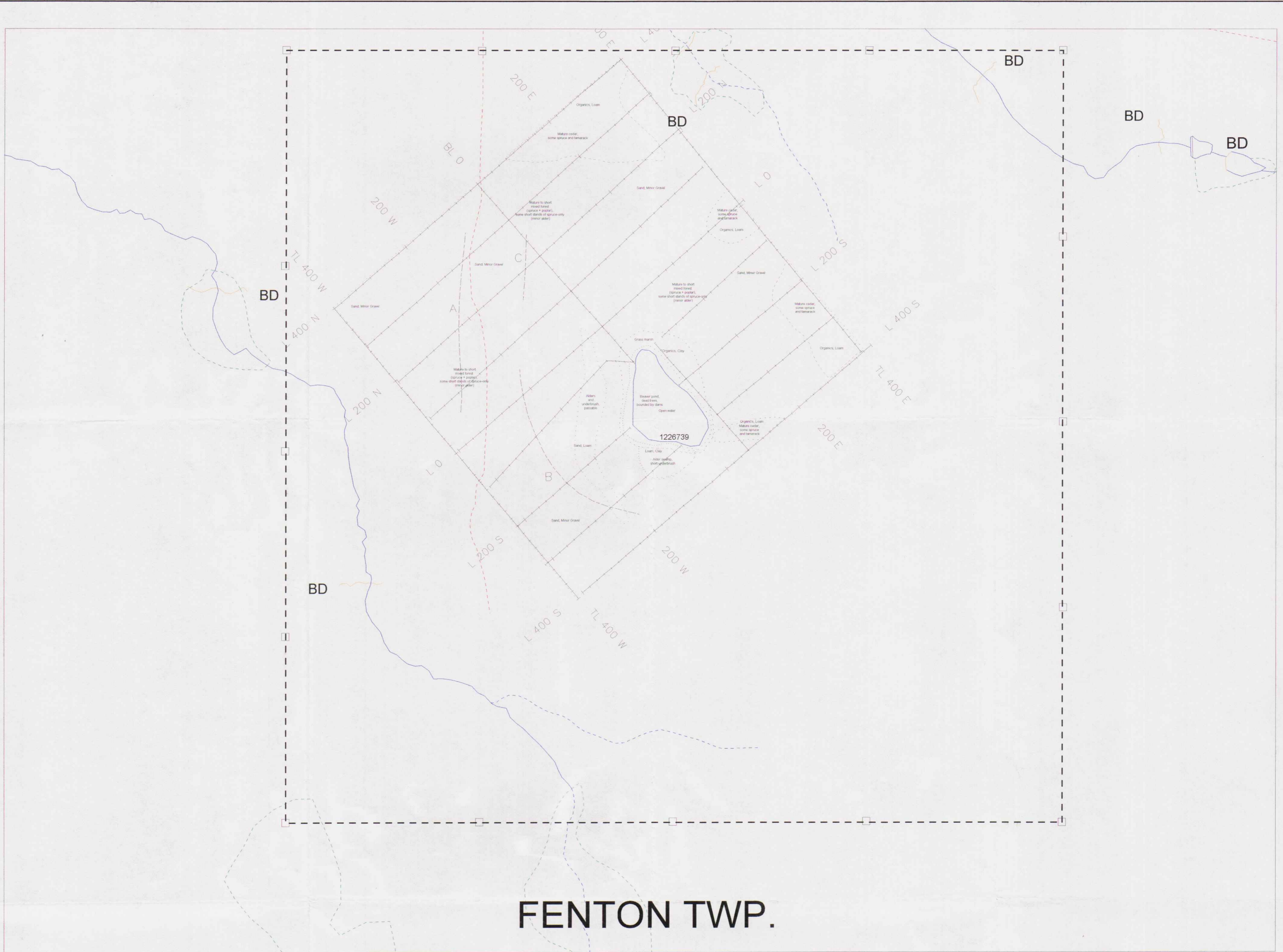
MAJOR ROCK DIVISIONS	TEXTURAL/GEOCHEMICAL MODIFIERS	TEXTURAL/STRUCTURAL MODIFIERS	MINERALOGICAL NAMES
101 UNCLASSIFIED	1 Fine Grained	101 Unaltered	101 Quartz
102 METAMORPHIC DIVISIONS	2 Medium Grained	201 Laminated	201 Feldspar
103 GNEISS	3 Coarse Grained	301 Bedded	301 Mica
104 SCHIST	4 Sandstone	401 Foliated	401 Amphibole
105 DIABASE	5 Shale	501 Non-foliated	501 Calcite
106 FELSIC INTRUSIVE ROCKS	6 Sandstone	601 Foliated	601 Olivine
107 INTERMEDIATE INTRUSIVE ROCKS	7 Sandstone	701 Non-foliated	701 Pyroxene
108 BASIC INTRUSIVE ROCKS	8 Sandstone	801 Foliated	801 Olivine
109 ULTRABASIC INTRUSIVE ROCKS	9 Sandstone	901 Non-foliated	901 Olivine
110 SEDIMENTARY ROCKS	10 Sandstone	1001 Unaltered	1001 Quartz
111 SANDSTONE (SAND)	11 Sandstone	1101 Unaltered	1101 Quartz
112 SANDSTONE (SAND)	12 Sandstone	1201 Unaltered	1201 Quartz
113 SANDSTONE (SAND)	13 Sandstone	1301 Unaltered	1301 Quartz
114 SANDSTONE (SAND)	14 Sandstone	1401 Unaltered	1401 Quartz
115 SANDSTONE (SAND)	15 Sandstone	1501 Unaltered	1501 Quartz
116 SANDSTONE (SAND)	16 Sandstone	1601 Unaltered	1601 Quartz
117 SANDSTONE (SAND)	17 Sandstone	1701 Unaltered	1701 Quartz
118 SANDSTONE (SAND)	18 Sandstone	1801 Unaltered	1801 Quartz
119 SANDSTONE (SAND)	19 Sandstone	1901 Unaltered	1901 Quartz
120 SANDSTONE (SAND)	20 Sandstone	2001 Unaltered	2001 Quartz
121 SANDSTONE (SAND)	21 Sandstone	2101 Unaltered	2101 Quartz
122 SANDSTONE (SAND)	22 Sandstone	2201 Unaltered	2201 Quartz
123 SANDSTONE (SAND)	23 Sandstone	2301 Unaltered	2301 Quartz
124 SANDSTONE (SAND)	24 Sandstone	2401 Unaltered	2401 Quartz
125 SANDSTONE (SAND)	25 Sandstone	2501 Unaltered	2501 Quartz
126 SANDSTONE (SAND)	26 Sandstone	2601 Unaltered	2601 Quartz
127 SANDSTONE (SAND)	27 Sandstone	2701 Unaltered	2701 Quartz
128 SANDSTONE (SAND)	28 Sandstone	2801 Unaltered	2801 Quartz
129 SANDSTONE (SAND)	29 Sandstone	2901 Unaltered	2901 Quartz
130 SANDSTONE (SAND)	30 Sandstone	3001 Unaltered	3001 Quartz
131 SANDSTONE (SAND)	31 Sandstone	3101 Unaltered	3101 Quartz
132 SANDSTONE (SAND)	32 Sandstone	3201 Unaltered	3201 Quartz
133 SANDSTONE (SAND)	33 Sandstone	3301 Unaltered	3301 Quartz
134 SANDSTONE (SAND)	34 Sandstone	3401 Unaltered	3401 Quartz
135 SANDSTONE (SAND)	35 Sandstone	3501 Unaltered	3501 Quartz
136 SANDSTONE (SAND)	36 Sandstone	3601 Unaltered	3601 Quartz
137 SANDSTONE (SAND)	37 Sandstone	3701 Unaltered	3701 Quartz
138 SANDSTONE (SAND)	38 Sandstone	3801 Unaltered	3801 Quartz
139 SANDSTONE (SAND)	39 Sandstone	3901 Unaltered	3901 Quartz
140 SANDSTONE (SAND)	40 Sandstone	4001 Unaltered	4001 Quartz
141 SANDSTONE (SAND)	41 Sandstone	4101 Unaltered	4101 Quartz
142 SANDSTONE (SAND)	42 Sandstone	4201 Unaltered	4201 Quartz
143 SANDSTONE (SAND)	43 Sandstone	4301 Unaltered	4301 Quartz
144 SANDSTONE (SAND)	44 Sandstone	4401 Unaltered	4401 Quartz
145 SANDSTONE (SAND)	45 Sandstone	4501 Unaltered	4501 Quartz
146 SANDSTONE (SAND)	46 Sandstone	4601 Unaltered	4601 Quartz
147 SANDSTONE (SAND)	47 Sandstone	4701 Unaltered	4701 Quartz
148 SANDSTONE (SAND)	48 Sandstone	4801 Unaltered	4801 Quartz
149 SANDSTONE (SAND)	49 Sandstone	4901 Unaltered	4901 Quartz
150 SANDSTONE (SAND)	50 Sandstone	5001 Unaltered	5001 Quartz

- Road
- HLEM Anomaly
- Marsh
- Creek, River, Intermittent Creek
- Beaver Dam
- Grid Line
- Vegetation
- Claim Boundary
- Township and Lot Boundaries
- Claim Post, Unlocated

2. 20016



FALCONBRIDGE LIMITED		
Exploration Division		Timmins, ONTARIO
Saganash PN 291		
Grid Map Staples 3		
TRACED: M.S.C.	DATE: 11/99	NTS: 42-G1 PROJECT: 291
DRAWN: K.S.	DATE: 08/98	MAP No: FILE: TEMP.WOR
SUPERVISED: M.S.C.	DATE: 11/99	1:5,000
REVISED:	DATE:	



FENTON TWP.

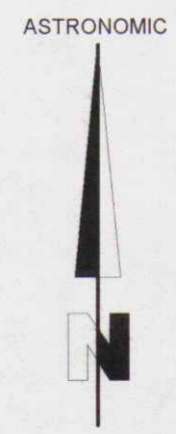
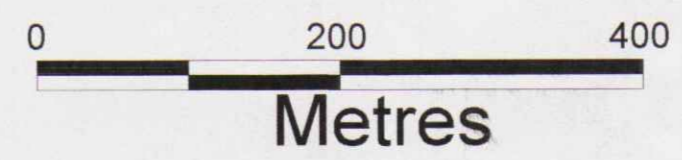
2. 20016

LEGEND

Geology

MAJOR ROCK DIVISIONS	TEXTURAL/GEOCHEMICAL MODIFIERS	TEXTURAL/STRUCTURAL MODIFIERS	MINERALOGICAL NAMES
TO BE ANNOUNCED	Fluorapatite	Amphibole	Amphibole
HERCYNITE SUPERGROUP	Quartz	Amphibole	Amphibole
METAMORPHIC (Gneiss)	Amphibole	Amphibole	Amphibole
GNEISS	Amphibole	Amphibole	Amphibole
SCHIST	Amphibole	Amphibole	Amphibole
DIORITE	Amphibole	Amphibole	Amphibole
FELSIC INTRUSIVE ROCKS	Amphibole	Amphibole	Amphibole
INTERMEDIATE INTRUSIVE ROCKS	Amphibole	Amphibole	Amphibole
MAFIC INTRUSIVE ROCKS	Amphibole	Amphibole	Amphibole
ULTRAMAFIC INTRUSIVE ROCKS	Amphibole	Amphibole	Amphibole
SEDIMENTARY ROCKS	Amphibole	Amphibole	Amphibole
TALUSSED (SAND)	Amphibole	Amphibole	Amphibole
FRAGMENTAL	Amphibole	Amphibole	Amphibole
DIAGENETIC ABSOLUTES	Amphibole	Amphibole	Amphibole
FELSIC VOLCANIC ROCKS	Amphibole	Amphibole	Amphibole
INTERMEDIATE VOLCANIC ROCKS	Amphibole	Amphibole	Amphibole
METABASALTS	Amphibole	Amphibole	Amphibole
MAFIC VOLCANIC ROCKS	Amphibole	Amphibole	Amphibole
ULTRAMAFIC VOLCANIC ROCKS	Amphibole	Amphibole	Amphibole

- Road
- Trail
- HLEM Anomaly
- Marsh
- Creek, Pond Boundary
- Intermittent Creek
- Beaver Dam
- Grid Line
- Vegetation
- Claim Boundary
- Township and Lot Boundaries
- Claim Post (unlocated)



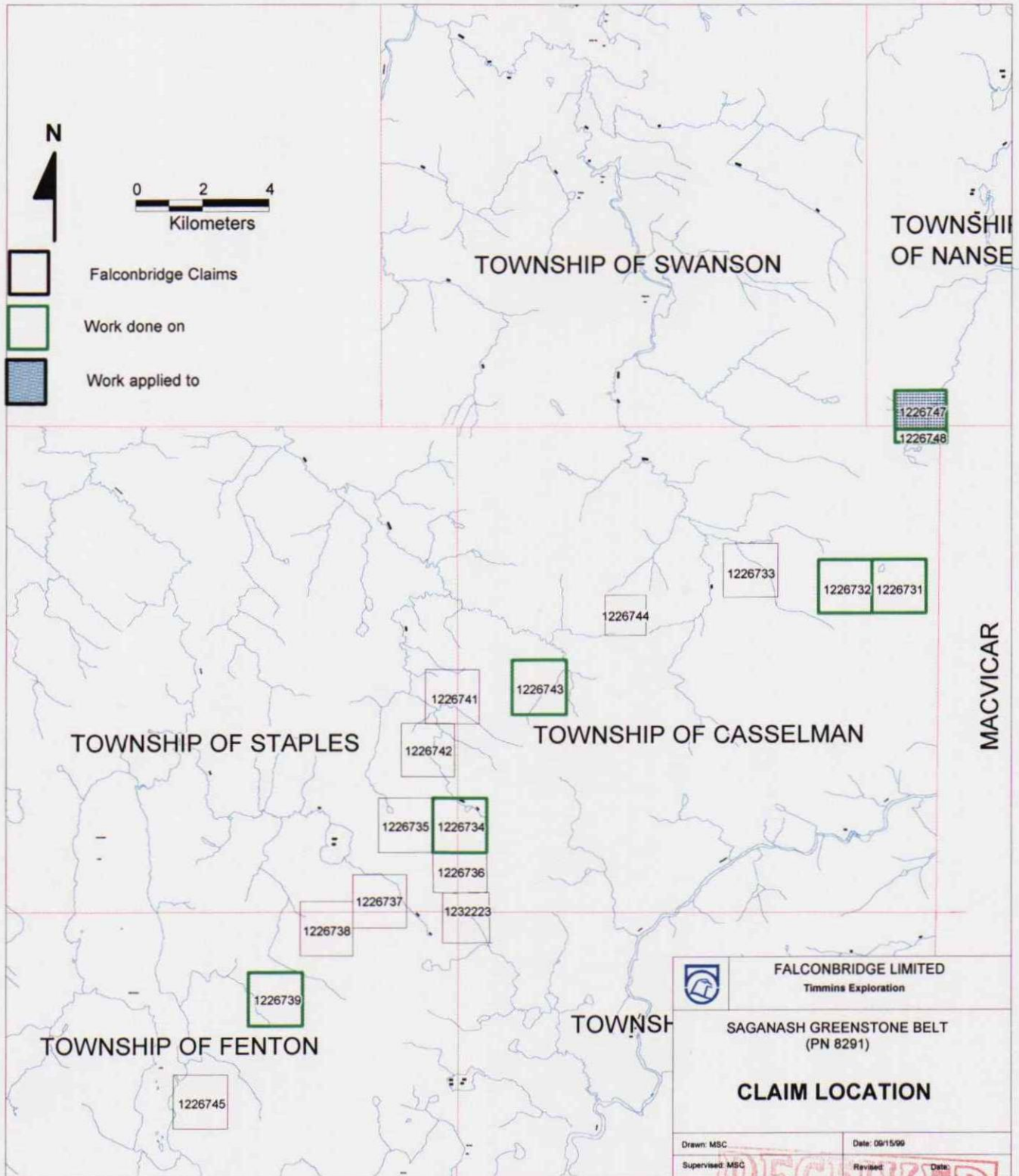
FALCONBRIDGE LIMITED
 Exploration Division Timmins, ONTARIO


Saganash PN 291

**Grid Map
Fenton 2**

TRACED: M.S.C.	DATE: 11/99	NTS: 42-01	PROJECT: 291
DRAWN: K.S.	DATE: 08/98	MAP No:	FILE: TEMP WOR
SUPERVISED: M.S.C.	DATE: 11/99	1:5,000	
REVISED:	DATE:		

2. 20016



 FALCONBRIDGE LIMITED Timmins Exploration	
SAGANASH GREENSTONE BELT (PN 8291)	
CLAIM LOCATION	
Drawn: MSC	Date: 06/15/99
Supervised: MSC	Revised: Date:



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4:10 PM

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