NTS 52L/8SW

PROPERTY VISIT & SAMPLING REPORT

ON THE

TREELINED GRAPHITE PROPERTY

TREELINED LAKE AREA
DISTRICT OF KENORA
ONTARIO

FOR

MEGA GRAPHITE INC.

L.D.S. Winter, P.Geo.

5 June 2012

Revised Jan 21, 2013

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

1. INTRODUCTION

The Treelined Graphite Property is comprised of a block of 10 staked, contiguous mining claims containing 128 units and covering 2048 ha in Northwestern Ontario. The Property was acquired for its potential to host flake graphite mineralization of economic potential.

The Property is located approximately 60 kilometres north of the town of Kenora, at 50°17.9'N latitude and 94°27.5'W longitude. Kenora is located on Provincial Highway 17 (Transcanada Highway), on the north shore of Lake of the Woods, 210 kilometres east of Winnipeg, Manitoba and 510 kilometres west of Thunder Bay, Ontario (Figure 1).

The writer was requested by Mega Graphite Inc. ("MGI" or "the Company") to visit the Property, review the past work on the Property and prepare a preliminary report on the Property. This report is based on information provided by the Company, publically available information as well as a visit to the property by the writer on the 15th of May 2012.

Metric units and Canadian dollars are used throughout this report unless otherwise indicated.

2. PROPERTY DESCRIPTION AND LOCATION

The Treelined Graphite Property is centred at approximately 94°27.5'W longitude and 50°17.9'N latitude within NTS Sheet 52L/8SW within the Kenora Mining Division of Northwestern Ontario. Specifically, claims are located in the Mining Land Tenure Maps, Treelined Lake (G-2651) and Paterson Lake (G-2634) Areas (Figure 2). The property is comprised of 10 active staked, contiguous mining claims (128 units) with a total area of approximately 2048 ha.

MGI holds a 100% interest in both the surface and mining rights of the 10 claims. The work requirements and the due dates are provided in Table 1. The basic assessment requirement is $400 exploration expenditure per unit per year.

No work has been carried out on the subject claims by the Company.

A new Ontario Mining Act was passed in October 2009 and changes are being phased in. In 2012 a "graduated regulatory scheme setting rules for early exploration activities, including consultation with First Nations and Metis" and "measures protecting areas which meet criteria as sites of Aboriginal cultural significance from the impacts of mineral exploration" are being implemented. The Property lies within the traditional lands of the Wabaseemoong Independent Nations of Whitedog, Ontario, an aboriginal community located approximately 35 kilometres southwest of the Property. Before work can commence on the Property discussions with the community will be required.

TABLE 1
MEGA GRAPHITE INC.
TREELINED GRAPHITE PROPERTY CLAIMS

Claim No.	Township/Area	UNITS	AREA (ha)	Work Required	CLAIM DUE DATE
4224107	Treelined Lake	8	128	3200	2013-Aug-08
4224108	Treelined Lake	10	160	4000	2013-Aug-08
4224468	Treelined Lake	6	96	2400	2012-Oct-29
4253663	Treelined Lake	16	256	6400	2012-Oct-29
4253664	Treelined Lake	10	160	4000	2012-Oct-29
4253665	Treelined Lake	15	240	6000	2012-Oct-29
4253666	Treelined Lake	16	256	6400	2012-Oct-29
4253667	Treelined Lake	16	256	6400	2012-Oct-29
4253668	Treelined Lake	16	256	6400	2012-Oct-29
4253669	Treelined Lake	15	240	6000	2012-Oct-29
TOTAL 10		**128**	**2048**	**51,200**	

3. ACCESS

The Treelined Graphite Property can be accessed from Kenora by secondary provincial highway 658 north from the intersection of highway 17 for a distance of 20 kilometres to the English River road approximately 2 kilometres south of Redditt which is on the main transcontinental rail line of Canadian National Railways (CN). From the turn off, the English River road leads north and east, across the bridge at the outlet of Separation Lake and then to the area of the Property, a total distance of approximately 75 kilometres. From the English River road in the northwest corner of claim 4253666, an old trail/bush road that is partly overgrown leads north then west a distance of approximately 4 kilometres to the area of the old trenching on the east side of Trout Lake (Figure 2).

4. PREVIOUS WORK

The following comments on the historical work on the Treelined Graphite Property and the adjacent areas were compiled and summarized from the following sources.

- Assessment Files, Ontario Ministry of Northern Development, Mines and Forestry (MNDMD), Kenora, Ontario.
- Publications by the Ontario Government through the Ministry of Northern Development and Mines and Forestry (MNDMF) and the Ontario Geological Survey.
- Report by "anonymous", undated, Kuehnbaum and Zebruck (2002) and Mowat (2003).

The Treelined Lake Graphite Prospect has also been referred to as the "Trout Lake", "Black Sturgeon" and "Harrison Graphite Occurrence".

1968

The Treelined Lake Graphite Prospect was reported and staked at this time by Mr. Linklater who was apparently stripping rock outcrops to test a radiometric anomaly. In so doing, he uncovered the graphite mineralization.

1976

The original Linklater claims were allowed to lapse and they were restaked in 1976 by a Mr. J. Harrison and Mr. G. Perkins. In addition to restaking the property, several pits were dug.

1986

The pits believed to be excavated by Harrison and Perkins were examined by geologists from the Ministry of Northern Development and Mines. Also, test geophysical surveys, sampling and preliminary metallurgical testing was carried out (Storey, 1990; Redden, 1993).

1987

The property was restaked by Mr. Zebruck and Mr. Kuehnbaum and they carried out a general sampling program.

1987

The property was optioned to Bellwether Resources Ltd., Vancouver, B.C. who conducted geophysical surveys, geological mapping, mechanical stripping and trenching, blasting and channel sampling with follow-up work in 1988. The trenching and sampling in 1988 was carried out on lines 15 through 20 as shown in Figure 3. At this time, the project was referred to as the Black Sturgeon Graphite Project. Along with the trenching and sampling, preliminary geological mapping was carried out and in the fall of 1988 a compilation report was prepared following which the option was terminated (O'Flaherty, 1988a, b, c) (Miller, 1988) (Cardinal, 1988).

1990

Zebruck and Kuehnbaum acquired the property and resampled the Bellwether trenches in August 1990 (Figure 3 for results) (Kuehnbaum, 1990) (Zebruck, 1990).

1998

In June 1998, a 25 kg composite grab sample was taken from the Bellwether trenches on behalf of Avalon Minerals and processed at the Lakefield Research Ltd. Laboratory in Lakefield, Ontario.

2002

The owners of the property Mr. Zebruck and Mr.Kuehnbaum optioned the property to Emerald Field Resource Corp., Kenora, Ontario. At that time, Emerald Field Resources submitted a single surface grab sample of graphite bearing material that contained approximately 6.0 weight percent graphite to International Metallurgical Environmental Inc. The objective of the test work was to demonstrate that the submitted material was amenable to the recovery and upgrading of the contained graphite using a flotation process.

5. REGIONAL AND PROPERTY GEOLOGY

5.1 *REGIONAL GEOLOGY*

The Treelined Graphite Property is hosted within a suite of Archean age high-grade metamorphic metasedimentary rocks (dominantly schists and gneisses) enclosed in granitoid rocks, all within the English River Subprovince which also has been referred to as the English River Gneiss Belt (Blackburn and Young, 2000) (Breaks, 1991). The subject Property is close to a major crustal boundary between the Archean English River Gneiss Belt to the north and the Archean Winnipeg River Pluton Belt to the south (Figure 4). To the north of the English River Subprovince is the Uchi Subprovince with the boundary between the two Subprovinces being the Sidney Lake - Lake St. Joseph Fault. To the west in Manitoba, the English River Subprovince has two subdivisions, the

Manigotogan-Ear Falls Gneiss Belt and to the south the Bird River Greenstone Belt. In the area of the subject property, the Separation Lake Greenstone Belt occupies a position similar to that of the Bird River Greenstone Belt i.e., it is along the southern border of the English River Subprovince. The Treelined Graphite Property lies a short distance north of the Separation Lake Greenstone Belt.

The English River Subprovince has been interpreted as an interarc sedimentary basin and more recently as an accretionary prism. Interbedded wackes and pelites and their migmatitic derivatives comprise approximately 60% of the Subprovince. The maximum age of sedimentation is poorly constrained but it continued until 2698 Ma (Breaks, 1991).

Metavolcanic rocks compose only about 2% of the English River Subprovince by area.

Numerous intrabelt batholiths, stocks and allied dykes were emplaced between 2698 and 2560 +/- 40 Ma. These plutonic rocks account for most of the remainder of the English River Subprovince and are divisible into five distinct groups in terms of their relative and absolute ages and are as follows.

1) Gneissic tonalite suite (3170 Ma).
2) Tonalite-trondhjemite-granodiorite suite (2665 +/- 20 to >3000 Ma).
3) Peraluminous granite granodiorite suite (2668 to 2692 Ma).
4) Biotite granite granodiorite suite (2660 +/- 40 to 2698 Ma).
5) Mafic ultramafic plutonic suite whose absolute age is unknown.

Along its southern edge, the English River Subprovince in the Kenora area lies against 2690 +/- 15 to 3170 Ma granitoid rocks of the Winnipeg River Subprovince. To the east, the English River Subprovince is in contact with the Wabigoon Subprovince.

5.2 PROPERTY GEOLOGY

The Treelined Graphite Property is underlain by a series of paragneisses metamorphosed sedimentary rocks which trend northeasterly and dip steeply southeast to vertical. Due to the metamorphism at the amphibolite to granulite grade, these units are now paragneisses. The original host rocks are considered to be quartz sandstones and arkoses to wackes that contained organic carbon. These units are bounded by pegmatites, gneiss and granitized metasedimentary rocks to the north and south. Pegmatite bodies which locally dilute the graphite mineralization are subparallel to cross-cutting (Figure 5) (Blackburn and Young, 2000).

The flake graphite in the paragneisses is considered to represent the re-crystallization at the temperatures and pressures of amphibolite to granulite grade metamorphism to the pre-existing organic carbon in the original sedimentary rocks.

6. MINERALIZATION

High-grade metamorphism within the English River Subprovince has resulted in the migmatization of clastic sedimentary rocks and has produced concentrations of graphite, probably from entrained organic material in the original sediments.

The Treelined Lake Graphite Prospect has attracted considerable interest because of the potential flake size, concentration and zone width and length. Graphite occurs intermittently over a strike length of 2 to 3 kilometres within migmatitic metasediments that appear to be more siliceous than average quartz-feldspar-biotite schists of the subprovince, but the extent of these more siliceous units is uncertain.

Work by the Ontario Geological Survey and previous holders of claims in the area have shown that the graphite-bearing units trend 060° (N60°E), dip steeply south to vertically and form a zone in the order of 75 metres to 100 metres wide based on trenching and sampling. No drilling has been done to test the zone at depth. Sampling by the writer returned C (g) values in grab samples from 0.40% to 9.15% and historic sampling from 6 trenches returned a weighted average from 16 samples of 1.78% C (g) in a range of values between 1.04% C (g) and 5.32% C (g), however, a sampling

program would be required to better establish an average grade for the zone. The zone has been trenched over a strike length of 600 metres and appears to be open along strike to both the southwest and northeast. This in combination with the 75 – 100 metre widths suggests the presence of a deposit with a significant tonnage potential that, at least in part, could be amenable to open pit mining.

The graphite occurs exclusively within the metasedimentary units as disseminated flakes, rosettes and small clusters. The graphite mineralization as exposed in the old trenches appeared to be present in meta-arkoses and meta-quartz sandstones as well as metawackes. These units also contain pyrrhotite, pyrite and in some cases chalcopyrite.

The graphite mineralization as observed by the writer appeared as foliation parallel flakes in the order of a millimetre or so in size.

7. WORK DONE

The writer visited the Property on 15 May 2012 accompanied by Mr. Lorne Snell, Dryden, Ontario. Access was by means of the trail/bush road leading north and then west from the English River road in the northwest corner of claim 4253666. During the visit various outcrops within the claims and in particular along the road and lake shore in the area of the trenching previously completed were examined. This area lies within claim 4224468 and in particular on the long point that extends southwesterly into Trout Lake (Figure 2). Figure 3 shows this area in more detail, the location of the 6 main trenches previously excavated in the area and some of the historical sample results.

Mega Graphite has not carried out any exploration work on the subject Property. All exploration was previously carried out by third parties and has been reported in Section 4, Previous Work.

The writer collected 6 grab samples from 3 different trenches, excavated by previous claim owners. The samples were collected from exposed bedrock in the old trenches and the samples were described, placed in plastic sample bags with a sample ticket, labeled on the outside of the bag with a permanent marker then closed. The

samples were transported in the writer's pack to the truck and retained in the writer's possession until they were delivered by the writer to the Activation Laboratories Ltd. (Actlabs) preparation lab in Dryden, Ontario.

Actlabs is ISO/IEC 17025 standard certified and the samples were analyzed for carbon (graphite) and with a multielement analysis package which included sulphur.

The locations of the 6 samples taken by the writer are shown in Figure 6 and the sample descriptions and the analytical results are presented in Table 2.

TABLE 2
MEGA GRAPHITE INC.
TREELINED GRAPHITE PROPERTY
SAMPLING RESULTS

Sample No.	Location (Figure 6)	C (g) (%)	S (%)	Sample Descriptions
91551	Tr 16+00E - 0+48N	6.18	0.08	The rock in this area has a rusty red-brown weathered surface. The rock is medium grained, with a moderate to weak foliation. It consists of granular quartz, biotite, muscovite and what appears to be a clay mineral after feldspar? The sample is limonite rich and is estimated to contain in the order of 5% flake graphite as 1 mm flakes.
91552	Tr 16+00E - 0+55N	1.00	0.26	The sample again shows a rusty to brown weathered surface. The sample is grey with a fine foliation as defined by closely spaced fractures. The sample consists dominantly of quartz with minor biotite and flake graphite estimated to be in the 1 to 2% range with the flakes being 1 mm to <1 mm in size. The rock contains considerable limonite.
91553	Tr 16+00E - 0+65N	0.80	0.30	The rock has a pale yellow to brown to a bleached appearance on the surface which appears to be a limonite staining. The rock consists of fine grained grey to white glassy quartz with something in the order of 1 to 2% graphite flakes generally 1 mm to <1 mm in size. The rock has a poor foliation which is defined by the platy graphite flakes.
91554	Tr 16+80E - 1+05N	0.58	1.12	In outcrop the rock has a massive surface which is grey in colour with limonite staining. The rock is fine to medium grained and consists of granular quartz grains with streaky to patchy fine limonite plus in the order of 1% graphite flakes generally in the 1 mm or less size range.
91555	Tr 17+85E - 1+02N	9.15	0.62	This rock has a grey appearance on the surface and is granular to crumbly in hand specimen. It is well foliated with a coarse schistosity which appears to be due to the presence of flakes of graphite and mica. The dominant minerals are quartz, biotite and muscovite with a grain size varying from fine to medium. The graphite content is estimated to be in the 5 to 10% range.
91556	Tr 17+85E - 0+92N	0.40	0.72	This rock has a grey massive appearing surface with a foliation. The dominant minerals are quartz, biotite and muscovite and it is estimated that there is approximately 1% graphite present. The rock shows a schistosity to gneissic type foliation.

8. GRAPHITE AND ITS USES

Graphite is a mineral with a long history of use. In the 4th millennium B.C. it was being used as a ceramic paint in southeastern Europe and in the early 1500's graphite was used as a refractory material to line molds. This in turn led to its use in the 1800's to make graphite crucibles to hold molten material and more recently resulted in the use of carbon-magnesite brick refractories containing flake graphite. Currently graphite is finding an increasing number of applications in many areas of modern technology such as;

- the steel industry and the production of refractories
- automotive industry
- electronic industry
- aerospace
- nuclear technology
- solar and wind turbine technology
- fuel cells
- batteries.

Of particular interest is the use of graphite in lithium-ion batteries which are lighter and more efficient than other competitive types of batteries for electric vehicles and electric cars. An electric car battery system requires approximately 45 kg of graphite per car, however, synthetic graphite which is expensive is currently the choice for battery makers. High purity natural graphite at a reasonable price could probably be competitive in this market.

In addition to the increasing demand for graphite, as a result of the various new technological applications, the historic supply of graphite from China is decreasing. China has implemented a 20% export tax on graphite and an export licensing program as a way of protecting the supply of graphite for the Chinese market.

In summary, it is considered that due to a wide variety of technological developments in conjunction with a reduction in the historical supply from China, the demand for quality flake graphite would appear to be very positive, however, the

situation is not without its challenges, both from the supply/demand situation and the technological requirements.

9. SUMMARY AND CONCLUSIONS

The Treelined Graphite Property of Mega Graphite Inc. hosts a previously identified zone of graphite-bearing paragneisses (altered quartzose to arkosic to greywacke sedimentary rocks). The flake graphite in the paragneisses is considered to represent the re-crystallization at the temperatures and pressures of amphibolite to granulite grade metamorphism of pre-existing organic carbon in the original sedimentary rocks.

Work by the Ontario Geological Survey and previous holders of claims in the area have shown that the graphite-bearing units trend 060° (N60°E), dip steeply south to vertically and form a zone in the order of 75 metres to 100 metres wide based on trenching and sampling. No drilling has been done to test the zone at depth. Sampling by the writer returned C (g) values in grab samples from 0.40% to 9.15% and historic sampling from 6 trenches returned a weighted average from 16 samples of 1.78% C (g) in a range of values between 1.04% C (g) and 5.32% C (g), however, a sampling program would be required to better establish an average grade for the zone. The zone has been trenched over a strike length of 600 metres and appears to be open along strike to both the southwest and northeast. This in combination with the 75 – 100 metre widths suggests the presence of a deposit with a significant tonnage potential that, at least in part, could be amenable to open pit mining.

Two preliminary mineral dressing studies were undertaken to determine if a suitable graphite flotation concentrate could be produced. Both studies were positive, however, additional work was recommended in both cases to upgrade the quality of the flotation concentrate. One of the main problems is the presence of pyrrhotite (FeS) which occurs in the host rocks in the graphite-rich zone.

It is considered that the Property is of merit , has the potential to host a deposit of economic significance, however, currently it is at an early stage of evaluation.

10. RECOMMENDATIONS

As indicated in the previous section, it is considered that a graphite-bearing zone of potential economic significance is present on the Treelined Graphite Property. To evaluate this potential a two phase exploration program is recommended. The Phase 1 program is directed at outlining the surface extent of the graphite-bearing zone by geological mapping and sampling and magnetometer and Induced Polarization (IP) surveys. The graphite-bearing zone contains pyrrhotite which is normally magnetic so this feature can assist in defining the zone. Graphite in an IP context behaves as a "metallic" mineral such that the IP survey should outline the zone quite well. The pyrrhotite should also contribute to the definition of the zone.

If the results of the Phase 1 program are positive then the Phase 2 program, a drilling program, could be implemented to define the zone at depth and along strike and lead to the outlining of a resource.

L.D.S. Winter, P.Geo.
5 June 2012

11. REFERENCES

1. Anonymous (?)

   Overview of the Treelined Lake Graphite Prospect, Kenora District, Ontario, 2 p.

2. Blackburn, C.E., and Young, J.B., 2000

   Precambrian geology of the Separation Lake area, northwestern Ontario. Ontario Geological Survey, Open File Report 6001.

3. Breaks, F.W., 1991

   English River Subprovince in Pye, E.G., 1991, Geology of Ontario, OGS Sp. Vol. 4, Pt 1, p. 239-278.

4. Cardinal, D.G., 1988

   A preliminary evaluation report on the Black Sturgeon graphite property, Kenora mining division, for Bellwether Resources Ltd., February 15, 1988. Unpublished.

5. Hinz, P., and Landry, R.M., 1994

   Industrial mineral occurrences & deposits in northwestern Ontario. Ministry of Northern Development and Mines, Open File Report 5889, p. 23-26.

6. Kuehnbaum, R.M., 1990

   Report on prospecting and sampling, Treelined Lake graphite property, Kenora Mining Division. Report submitted to Ministry of Northern Development & Mines in fulfillment of requirements of Ontario Prospectors' Assistance Program, December 11, 1990. Unpublished.

7 .Kuehnbaum, R.M. and Zebruck, G., 2002

   Treelined Lake Graphite Deposit, Beneficiation Study, 34 p. Unpublished Report.

8. Lakefield Research Limited, 1998 in Kuehnbaum and Zebruck, 2002

   An investigation of the recovery of graphite from ore (sic) samples submitted by Avalon Ventures Limited, Progress Report No. 1. Unpublished.

9. Millar, J.F.V., 1988

   Final report, preliminary exploration program, Black Sturgeon graphite deposit, for Bellwether Resources Ltd., February 12, 1988. Unpublished.

10. Mowat, A.J.M., 2003

Treelined Lake Graphite Prospect, Kenora Mining Division, Ontario for Emerald Fields Resource Corporation, 24 p.

11. O'Flaherty, K.F., 1988a

Preliminary geological mapping, Black Sturgeon graphite deposit, for Bellwether Resources Ltd., October 20, 1988. Unpublished.

12. O'Flaherty, K.F., 1988b

Geological report, Black Sturgeon graphite deposit, Trout Lake, Kenora district, Ontario, for Bellwether Resources Ltd., December 2, 1988. Unpublished.

13. O'Flaherty, K.F., 1988c

Economic assessment of the 1988 work program and proposed further work on the black Sturgeon graphite deposit, Trout Lake, Kenora district, Ontario, for Bellwether Resources Ltd. and Millar Western Engineering Ltd., December 6, 1988. Unpublished.

14. Redden, J., 1993

Industrial minerals project, Sioux Lookout – Dryden area, parts of Kenora and Patricia mining divisions. Ontario Geological Survey Open File Report 5766, p. 49-58.

15. Storey, C.C., 1990

An evaluation of the industrial mineral potential of parts of the districts of Kenora and Rainy River. Ontario Geological Survey Open File Report 5718, p. 80-83, 95-97.

16. Zebruck, G., 1990

Prospecting & Sampling, Treelined Lake Graphite Deposit, Treelined Lake Area, District of Kenora, 6 p.

L.D.S. Winter

1849 Oriole Drive, Sudbury, ON P3E 2W5
(705) 560-6967
(705) 560-6997 (fax)
email: winbourne@bellnet.ca

CERTIFICATE OF AUTHOR

I, Lionel Donald Stewart Winter, P. Geo. do hereby certify that:

1. I am currently an independent consulting geologist.

2. I graduated with a degree in Mining Engineering (B.A.Sc.) from the University of Toronto in 1957. In addition, I have obtained a Master of Science (Applied) (M.Sc. App.) from McGill University, Montreal, QC.

3. I am a Member of the Geological Association of Canada, a Life Member of the Canadian Institute of Mining, a Life Member of the Prospectors and Developers Association of Canada and a Registered Geoscientist in Ontario and in British Columbia (P.Geo.).

4. I have worked as a geologist for over 50 years since my graduation from university.

5. I am the author responsible for the preparation of the Property Visit and Sampling Report titled "Treelined Graphite Property, Treelined Lake Area, District of Kenora, Ontario" and dated 5 June 2012. I visited the property on 15 May 2012.

Dated this 5th Day of June 2012

PROFESSIONAL GEOSCIENTIST
L. D. S. WINTER
PRACTISING MEMBER
0639
ONTARIO

L.D.S. Winter, P.Geo.

APPENDIX 1

CERTIFICATES OF ANALYSIS

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 18-May-12
Invoice No.: A12-05286
Invoice Date: 04-Jun-12
Your Reference: Treelined

Mega Graphite Inc.
86 Wilson Street, Suite A
Oakville ON L6K 3G5
Canada

ATTN: Chief Operation Officer Paul Cooper

CERTIFICATE OF ANALYSIS

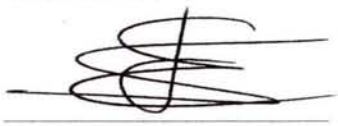
10 Rock samples were submitted for analysis.

The following analytical packages were requested:
Code 1F2-Tbay Total Digestion ICP(TOTAL)
Code 5D-C-Total Infrared
Code 8-Li (Sodium Peroxide Fusion) Sodium Peroxide Fusion
Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A12-05286**

Notes:
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	C-Total	Li	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	%	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	0.1
Analysis Method	IR	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
91551	6.18																							
91552	1.00																							
91553	0.80																							
91554	0.58																							
91555	9.15																							
91556	0.40																							
91557		0.68	> 400	1.57	0.02	6.98	1.09	0.12	< 0.1	1	6.1	331	0.39	0.3	1.0	0.1	67.1	< 0.1	< 0.05	25.6	0.2	< 0.05	13.3	1.2
91558		0.18	> 400	> 3.00	0.01	7.44	0.94	0.30	0.2	1	12.4	473	0.36	0.9	1.0	0.2	175	< 0.1	< 0.05	12.9	0.2	< 0.05	15.4	1.0
91559		0.81	> 400	1.57	0.03	7.90	1.64	0.14	0.1	2	9.5	328	0.44	0.2	1.0	0.2	90.9	< 0.1	< 0.05	31.6	0.2	< 0.05	16.4	0.3
91560		0.59	> 400	2.19	0.03	8.11	1.50	0.17	0.1	2	16.3	282	0.58	0.2	1.1	0.2	108	0.1	< 0.05	24.0	0.3	< 0.05	10.1	1.0

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu	Ge
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
91551																								
91552																								
91553																								
91554																								
91555																								
91556																								
91557	59.4	31.8	5.8	> 500	2.5	15.2	4	35.5	0.9	< 0.1	36	0.3	0.4	2	0.6	1.7	0.2	0.8	0.6	0.6	0.1	0.6	3.5	< 0.1
91558	117	38.2	1.6	> 500	4.3	10.5	11	46.9	0.2	< 0.1	30	0.1	0.3	< 1	0.9	2.7	0.3	1.2	0.9	1.0	0.2	1.0	4.3	< 0.1
91559	81.4	31.7	2.1	> 500	4.0	11.5	3	30.4	0.2	< 0.1	54	0.1	0.5	2	0.8	2.4	0.3	1.2	0.9	0.9	0.2	0.8	2.7	0.2
91560	107	50.5	1.5	> 500	4.7	14.2	3	46.5	< 0.1	< 0.1	128	0.1	0.3	5	0.9	2.9	0.4	1.3	1.1	1.2	0.3	1.1	2.2	0.5

Analyte Symbol	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.3	0.01	3	7	1	2	0.01	0.3	1	1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
91551													0.049	0.08	0.8	9.65	75	> 1000	1	3	1.00	< 0.3	7	91
91552													0.034	0.26	0.5	7.52	< 3	28	4	< 2	6.87	< 0.3	9	79
91553													0.025	0.30	0.4	7.14	< 3	> 1000	< 1	3	0.75	< 0.3	1	22
91554													0.033	1.12	0.4	7.13	9	447	2	2	0.91	< 0.3	7	33
91555													0.023	0.62	0.7	5.48	4	736	2	2	0.85	< 0.3	< 1	25
91556													0.016	0.72	0.5	5.03	12	902	3	< 2	0.12	< 0.3	4	17
91557	< 0.1	0.1	< 0.1	15.1	0.7	0.003	14.6	5.1	< 1	3.1	2.1	0.0028	0.018	< 0.01										
91558	< 0.1	0.3	< 0.1	19.0	< 0.1	0.003	4.67	9.6	< 1	4.3	7.0	0.0027	0.020	< 0.01										
91559	< 0.1	0.2	< 0.1	10.0	0.4	< 0.001	16.6	4.6	< 1	3.4	1.6	0.0027	0.016	< 0.01										
91560	< 0.1	0.2	< 0.1	14.2	1.6	< 0.001	10.9	4.4	2	4.7	2.2	0.0076	0.013	< 0.01										

Activation Laboratories Ltd. Report: A12-05286

Analyte Symbol	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	Pb	Sb	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	3	5	4	1	2	0.01	5	10	2	5	1	1	5
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
91551	95	4.09	33	< 1	4.91	0.41	21	949	5	1.27	24	57	< 5	19	306	< 2	0.22	< 5	< 10	142	< 5	11	78	220
91552	9	3.32	26	< 1	0.19	0.92	21	1890	3	0.55	27	5	< 5	9	89	< 2	0.23	< 5	< 10	65	< 5	88	138	193
91553	13	0.99	21	< 1	4.97	0.20	15	244	2	1.08	7	30	< 5	5	130	< 2	0.07	< 5	< 10	26	< 5	7	30	90
91554	41	2.10	22	1	4.24	0.46	32	302	< 1	1.28	17	27	< 5	< 4	122	< 2	0.08	< 5	< 10	26	< 5	9	114	123
91555	36	5.05	18	< 1	3.69	0.10	11	356	4	1.35	6	35	< 5	11	62	< 2	0.07	< 5	< 10	36	< 5	6	77	119
91556	21	1.40	26	< 1	2.58	0.35	26	151	2	1.35	7	30	< 5	< 4	82	< 2	0.10	< 5	< 10	16	< 5	21	33	285
91557																								
91558																								
91559																								
91560																								

Quality Control

Analyte Symbol	C-Total	Li	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	%	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	0.1
Analysis Method	IR	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas			8.9	0.05	0.22	2.37	0.05	0.82	2.3	79	13.0	824	23.5	0.4	37.3		1.1		32.0	2.62	7.8	0.62	1610	16.4
GXR-1 Cert			8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
GXR-1 Meas																								
GXR-1 Cert																								
GXR-4 Meas			12.9	0.51	1.83	7.05	2.86	0.95	< 0.1	82	41.6	144	2.91	1.2	36.8		2.2		2.83	2.42	13.9	1.42	20.3	4.8
GXR-4 Cert			11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
GXR-4 Meas																								
GXR-4 Cert																								
SDC-1 Meas			40.1	1.53	1.11	8.62	1.99	1.00	< 0.1	43	48.0	825	4.68	0.8	32.8	3.6	3.4	1.2	< 0.05	3.71	18.0	1.59	0.18	
SDC-1 Cert			34.00	1.52	1.02	8.34	2.72	1.00	0.0800	102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	0.0410	4.00	18.0	1.70	2.60	
SDC-1 Meas																								
SDC-1 Cert																								
SCO-1 Meas			52.5	0.70	1.77	7.70	1.57	1.82	0.1	118	65.2	383	3.57		26.5		2.2		< 0.05	7.41	11.5		0.33	
SCO-1 Cert			45	0.670	1.64	7.24	2.30	1.87	0.140	130	68.0	410	3.59		27		1.80		0.134	7.80	11.00		0.37	
SCO-1 Meas																								
SCO-1 Cert																								
GXR-6 Meas			46.1	0.11	0.55	> 10.0	1.39	0.18	< 0.1	124	58.2	919	4.88	1.8	21.3		1.5		0.10	3.39	12.5	0.44	0.08	0.1
GXR-6 Cert			32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
GXR-6 Meas																								
GXR-6 Cert																								
LKSD-4 Meas	18.8																							
LKSD-4 Cert	17.7																							
OREAS 13P Meas																								
OREAS 13P Cert																								
DNC-1a Meas		< 0.01	5.5							152	178				259						57.6	0.58		
DNC-1a Cert		0.00	5.20							148.0	270				247						57.0	0.59		
NCS DC86303 Meas		0.21																						
NCS DC86303 Cert		0.21																						
NCS DC86314 Meas		1.78																						
NCS DC86314 Cert		1.81																						
91557 Orig		0.69																						
91557 Dup		0.67																						
Method Blank	< 0.01																							
Method Blank			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank		< 0.01																						

Quality Control

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu	Ge
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	770	10.5	369	2.7	28.5	300	18	0.7	16.7	0.8	28	32.4	11.8	626	7.0	14.0		8.1	2.8	4.1	0.8	4.9	1110	
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110	
GXR-1 Meas																								
GXR-1 Cert																								
GXR-4 Meas	69.6	17.9	87.0	119	13.0	215	38	8.1	293	0.2	7	5.4	0.9	108	52.6	102		38.8	6.0	4.8	0.5	2.8	5990	
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520	
GXR-4 Meas																								
GXR-4 Cert																								
SDC-1 Meas	101	21.7	0.9	89.8	32.2	182	30	1.9	< 0.1		< 1	< 0.1		606	39.6	85.7		38.7	7.7	7.3	1.1	6.5	27.8	
SDC-1 Cert	103.00	21.00	0.220	127.00	40.0	180.00	290.00	21.00	0.250		3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.00	
SDC-1 Meas																								
SDC-1 Cert																								
SCO-1 Meas	106	16.2	9.7	83.4	19.4	172	58	1.5	0.2		2	0.3		535	28.2	55.1	6.6	25.0					28.5	
SCO-1 Cert	100	15	12.00	110.0	26	170	160	11	1.4		3.7	2.50		570	30.0	62.00	6.6	26.0					29	
SCO-1 Meas																								
SCO-1 Cert																								
GXR-6 Meas	120	31.6	204	52.2	8.5	39.8	66	0.7	0.4	< 0.1	< 1	0.4	< 0.1	1350	7.7	21.1		7.9	1.7	1.7	0.3	1.8	64.5	
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0	
GXR-6 Meas																								
GXR-6 Cert																								
LKSD-4 Meas																								
LKSD-4 Cert																								
OREAS 13P Meas																								
OREAS 13P Cert																								
DNC-1a Meas	66.5				16.3	148	35					0.8		96	3.6			4.6					98.4	
DNC-1a Cert	70.0				18.0	144.0	38					0.96		118	3.6			5.20					100.0	
NCS DC86303 Meas																								
NCS DC86303 Cert																								
NCS DC86314 Meas																								
NCS DC86314 Cert																								
91557 Orig																								
91557 Dup																								
Method Blank																								
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	0.4	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1
Method Blank																								

Quality Control

Analyte Symbol	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.3	0.01	3	7	1	2	0.01	0.3	1	1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	0.4	2.1	0.3	< 0.1	126		0.36	708	2	3.1	32.2		0.059	0.24	31.4	2.24	425	788	1	1370	0.92	3.4	4	
GXR-1 Cert	0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9		0.0650	0.257	31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20	
GXR-1 Meas													0.059	0.24										
GXR-1 Cert													0.0650	0.257										
GXR-4 Meas	0.2	1.0	0.1	0.5	34.5		2.85	42.9	7	18.0	5.3		0.135	1.78	3.9	6.60	108	182	2	23	1.17	0.4	15	61
GXR-4 Cert	0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20		0.120	1.77	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6	64.0
GXR-4 Meas													0.122	1.64										
GXR-4 Cert													0.120	1.77										
SDC-1 Meas	0.5	3.1		< 0.1	< 0.1		0.57	21.3	16	12.4	2.9	0.324	0.054	0.07	< 0.3	7.95	6	718	3	3	1.16	< 0.3	19	57
SDC-1 Cert	0.65	4.00		1.20	0.800		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	0.0650	0.0410	8.34	0.220	630	3.00	2.60	1.00	0.0800	18.0	64.00
SDC-1 Meas													0.056	0.07										
SDC-1 Cert													0.0690	0.0650										
SCO-1 Meas					< 0.1			29.0	12	10.0		0.258	0.080	0.08	< 0.3	7.15	5	666	2	< 2	2.01	< 0.3	12	55
SCO-1 Cert					1.4			31.0	11.0	9.70		0.380	0.0900	0.0630	0.134	7.24	12.00	570	1.80	0.37	1.87	0.140	11.00	68.0
SCO-1 Meas													0.074	0.08										
SCO-1 Cert													0.0900	0.0630										
GXR-6 Meas	0.2	1.2	0.2	< 0.1	< 0.1		1.85	81.8	30	3.7	1.1		0.035	0.02	0.8	12.9	251	> 1000	1	4	0.22	0.4	16	73
GXR-6 Cert	0.0320	2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	13.8	96.0
GXR-6 Meas													0.039	0.02										
GXR-6 Cert													0.0350	0.0160										
LKSD-4 Meas																								
LKSD-4 Cert																								
OREAS 13P Meas																								
OREAS 13P Cert																								
DNC-1a Meas		1.9							30									114					57	192
DNC-1a Cert		2.0							31									118					57.0	270
NCS DC86303 Meas																								
NCS DC86303 Cert																								
NCS DC86314 Meas																								
NCS DC86314 Cert																								
91557 Orig																								
91557 Dup																								
Method Blank																								
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01										
Method Blank																								

Quality Control

Analyte Symbol	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	Pb	Sb	Sc	Sr	Te	Tl	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	3	5	4	1	2	0.01	5	10	2	5	1	1	5
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	1160	23.6	8	6	0.04	0.21	8	891	15	0.04	44	730	18	< 4	299	17		< 5	30	90	148	26	745	25
GXR-1 Cert	1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	730	122	1.58	275	13.0		0.390	34.9	80.0	164	32.0	760	38.0
GXR-1 Meas																								
GXR-1 Cert																								
GXR-4 Meas	6520	3.18	22	1	4.12	1.77	11	178	319	0.53	46	45	< 5	9	227	4		< 5	< 10	98	37	13	72	42
GXR-4 Cert	6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	52.0	4.80	7.70	221	0.970		3.20	6.20	87.0	30.8	14.0	73.0	186
GXR-4 Meas																								
GXR-4 Cert																								
SDC-1 Meas	29	4.81	27	< 1	1.61	1.00	34	919	1	1.52	43	24	< 5	17	180		0.15	< 5	< 10	50	< 5	31	99	36
SDC-1 Cert	30.00	4.82	21.00	0.20	2.72	1.02	34.00	880.00	0.250	1.52	38.0	25.00	0.54	17.00	180.00		0.606	0.70	3.10	102.00	0.800	40.0	103.00	290.00
SDC-1 Meas																								
SDC-1 Cert																								
SCO-1 Meas	27	3.63	21		3.35	1.61	44	399	< 1	0.69	32	28	< 5	13	168		0.35			142	< 5	19	99	52
SCO-1 Cert	29	3.59	15		2.30	1.64	45	410	1.4	0.670	27	31.0	2.50	11.0	170		0.380			130	1.4	26	100	160
SCO-1 Meas																								
SCO-1 Cert																								
GXR-6 Meas	71	5.62	36	< 1	1.42	0.63	35	1080	< 1	0.10	33	93	< 5	31	43	< 2		< 5	< 10	149	< 5	12	129	78
GXR-6 Cert	66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	101	3.60	27.6	35.0	0.0180		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas																								
GXR-6 Cert																								
LKSD-4 Meas																								
LKSD-4 Cert																								
OREAS 13P Meas	2630	8.01									2150													
OREAS 13P Cert	2500	7.58									2260													
DNC-1a Meas	100						5				269		< 5	33	135					147		14	51	37
DNC-1a Cert	100.0						5.20				247		0.96	31	144.0					148.0		18.0	70.0	38
NCS DC86303 Meas																								
NCS DC86303 Cert																								
NCS DC86314 Meas																								
NCS DC86314 Cert																								
91557 Orig																								
91557 Dup																								
Method Blank																								
Method Blank																								
Method Blank																								

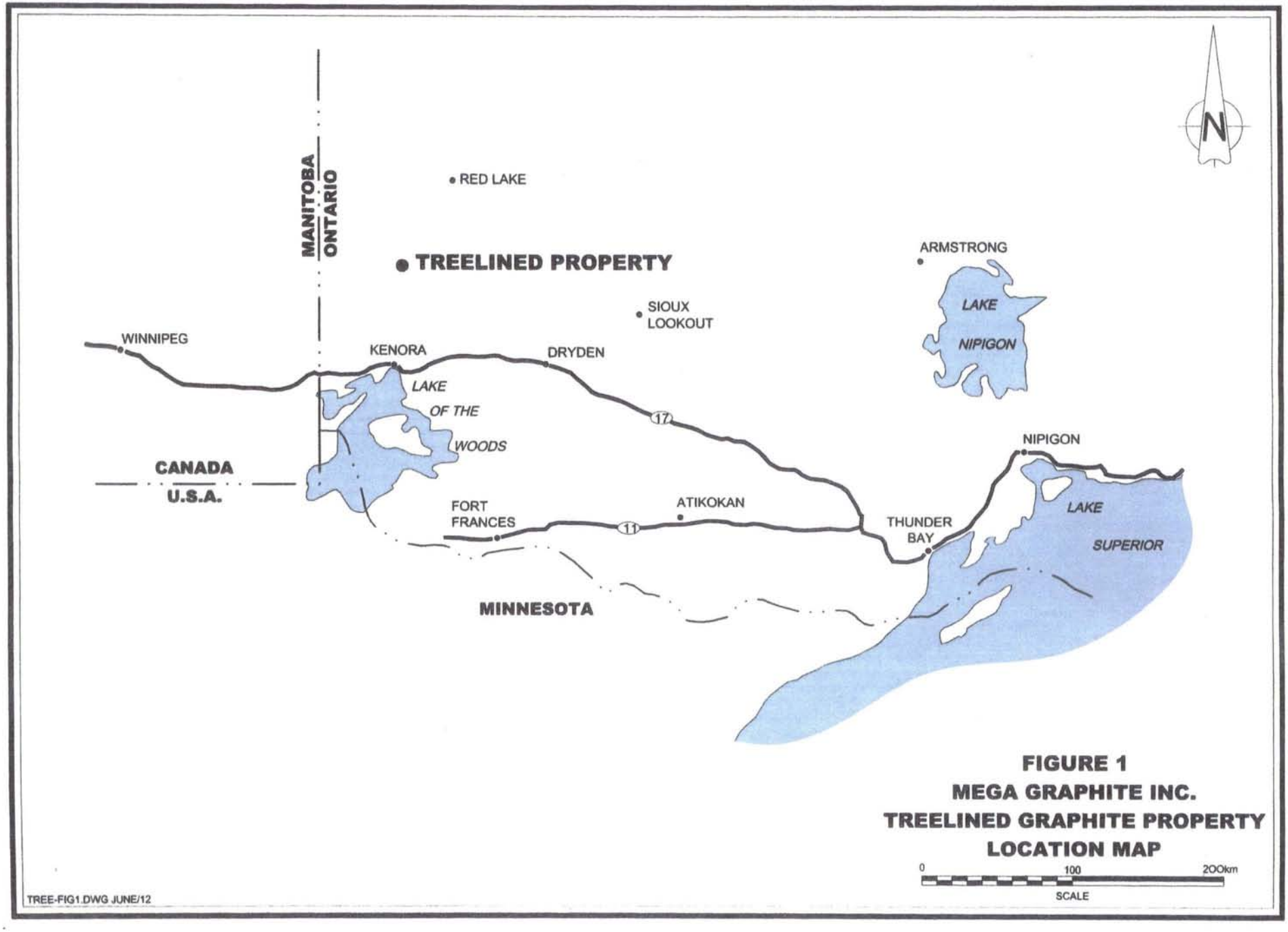
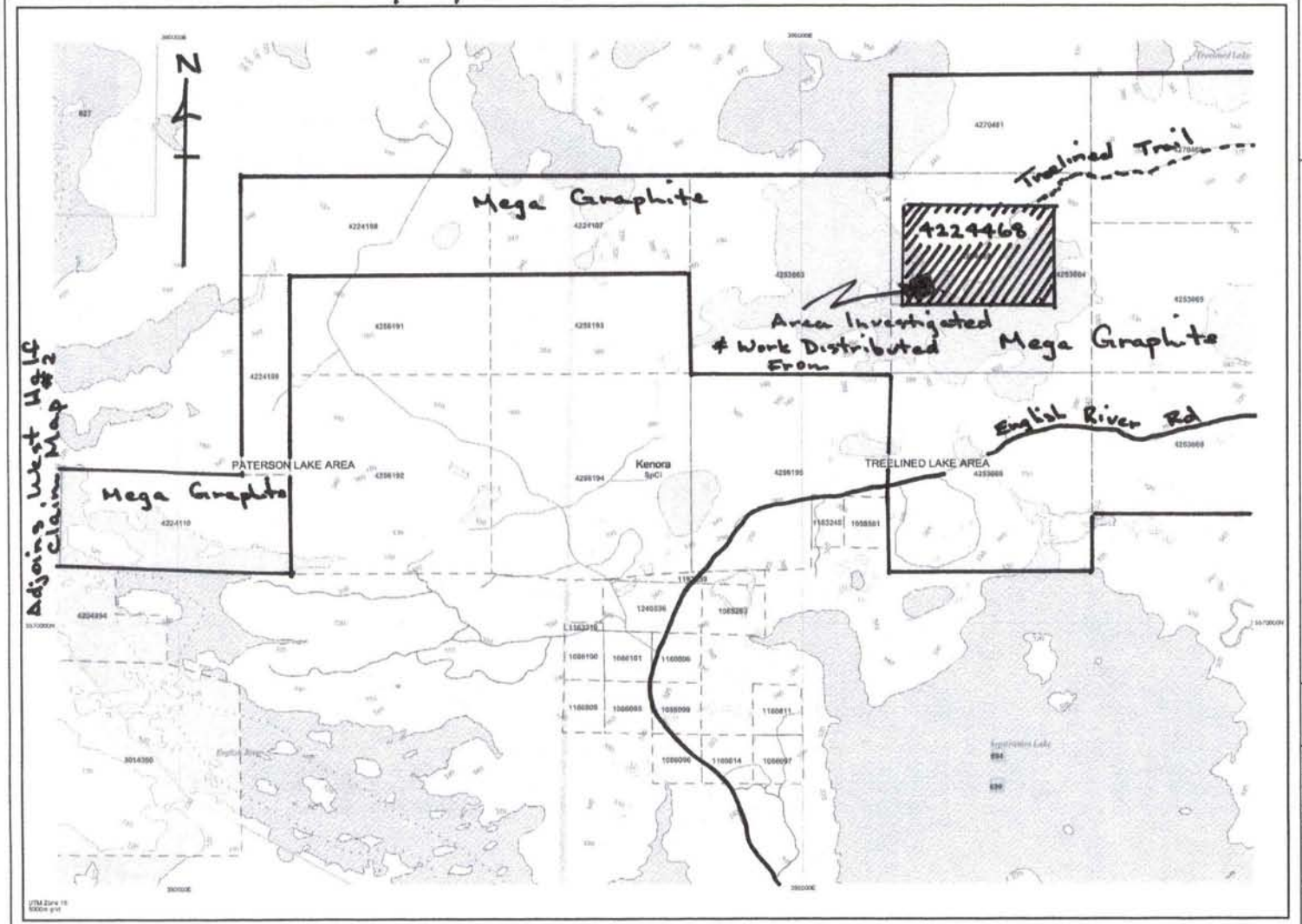


FIGURE 1
MEGA GRAPHITE INC.
TREELINED GRAPHITE PROPERTY
LOCATION MAP

TREE-FIG1.DWG JUNE/12

Figure 2-A

MEGA GRAPHITE Inc. - East Half Claim Map #1
Treelined Graphite Property



ONTARIO CANADA — MINISTRY OF NORTHERN DEVELOPMENT AND MINES — PROVINCIAL MINING RECORDER'S OFFICE

Mining Land Tenure Map

Date / Time of Issue: Sun Jan 20 20:07:57 EST 2013

TOWNSHIP / AREA	PLAN
TREELINED LAKE AREA	G-2651

ADMINISTRATIVE DISTRICTS / DIVISIONS

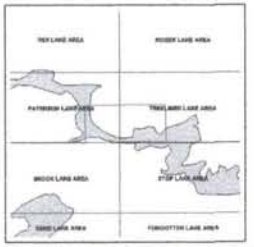
Mining Division	Kenora
Land Titles/Registry Division	KENORA
Ministry of Natural Resources District	KENORA

TOPOGRAPHIC

Administrative Boundaries
Townships
Concessions, Lots
Provincial Park
Indian Reserve
Cott, Pit & Pits
Canals
Mine Shafts
Mine Headframes
Railway
Road
Trail
Natural Gas Pipeline
Utilities
Tower

Land Tenure

Freehold Patent
Surface And Mining Rights
Surface Rights Only
Mining Rights Only
Leasehold Patent
Surface And Mining Rights
Surface Rights Only
Mining Rights Only
Licence of Occupation
Lease Not Specified
Surface And Mining Rights
Surface Rights Only
Mining Rights Only
Land Use Permit
Order in Council (Not open for staking)
Water Power Lease Agreement
1234567 Mining Claim
1234567 Filed Only Mining Claims



LAND TENURE WITHDRAWALS

123x Areas Withdrawn from Disposition

Mining Acts Withdrawal Types
Surface And Mining Rights Withdrawn
Surface Rights Only Withdrawn
Mining Rights Only Withdrawn

Order In Council Withdrawal Types
Surface And Mining Rights Withdrawn
Surface Rights Only Withdrawn
Mining Rights Only Withdrawn

IMPORTANT NOTICES

Scale 1:23148

LAND TENURE WITHDRAWAL DESCRIPTIONS (list may not be complete)

Identifier	Type	Date	Description
627	Wdrn	Jan 1, 2001	AREA WITHDRAWN FROM STAKING. FILES: 34179-VOL.2, 98307
694	Wdrn	Jan 1, 2001	FLOODING H.E.P.C. ELEVATION: 1049 FT FILE: 34179 PLAN: U2-27 H.E.P.C. PLAN: 800-3359
699	Wdrn	Jan 1, 2001	FLOODING ELEVATION: 5 FT FILE: 34179 & 98307
716	Wdrn	Jan 1, 2001	FLOODING H.E.P.C. ELEVATION: 1049 FT FILE: 34179 PLAN: U2-27 H.E.P.C. PLAN: 800-3359
W-K-55/08	Wdrn	Jul 18, 2008	<ptr target="http://www.mndm.gov.on.ca/mines/lands/withreg/orders2008/wk55-08.pdf">"oW-K-55/08 M&S withdrawal S.35 Mining Act RSO 1990, July 18, 2008 Click to link to withdrawal order</ptr>.

IMPORTANT NOTICES

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of this Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlcmpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5742
Fax: 1 (877) 670-1444

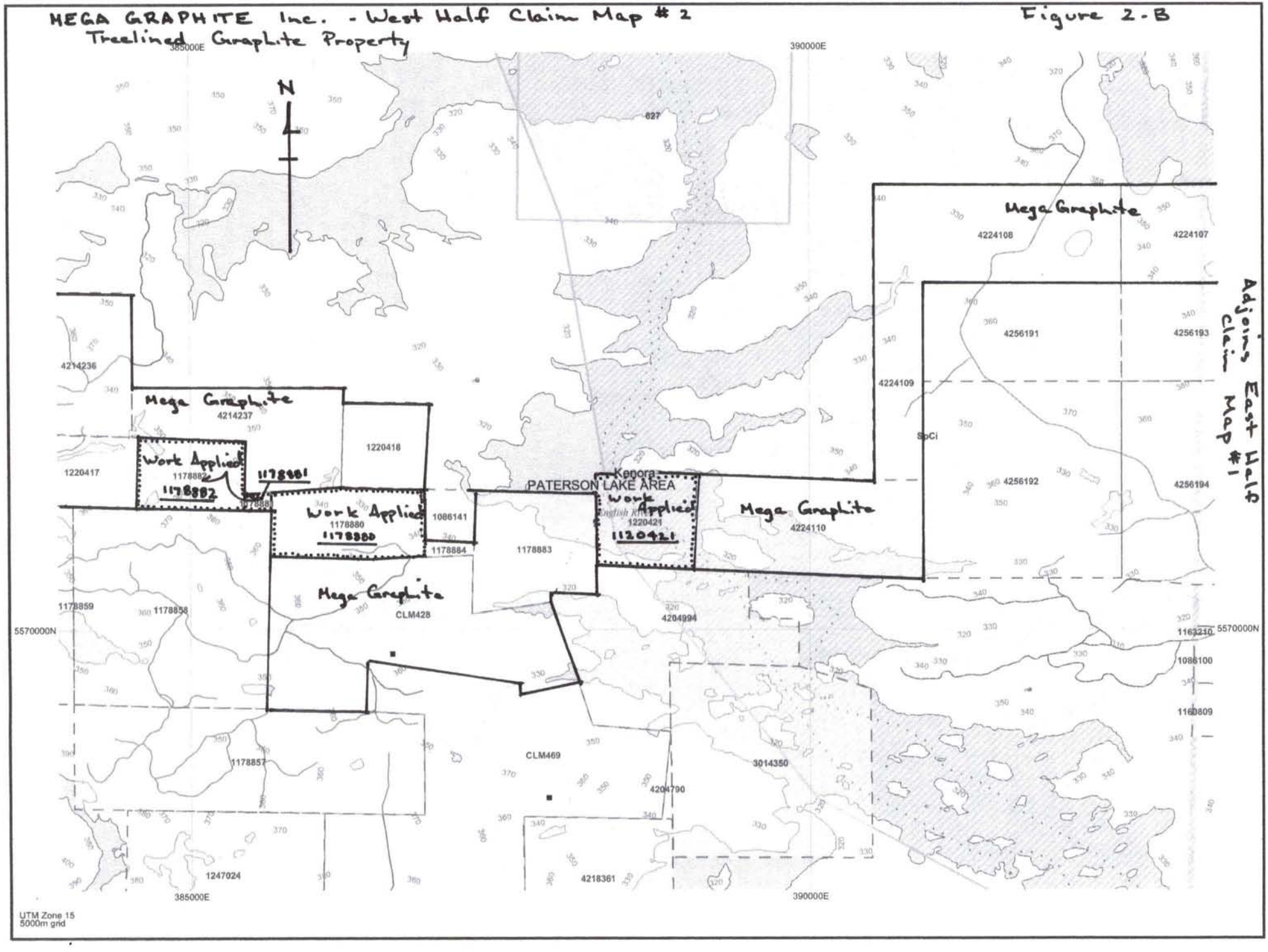
Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

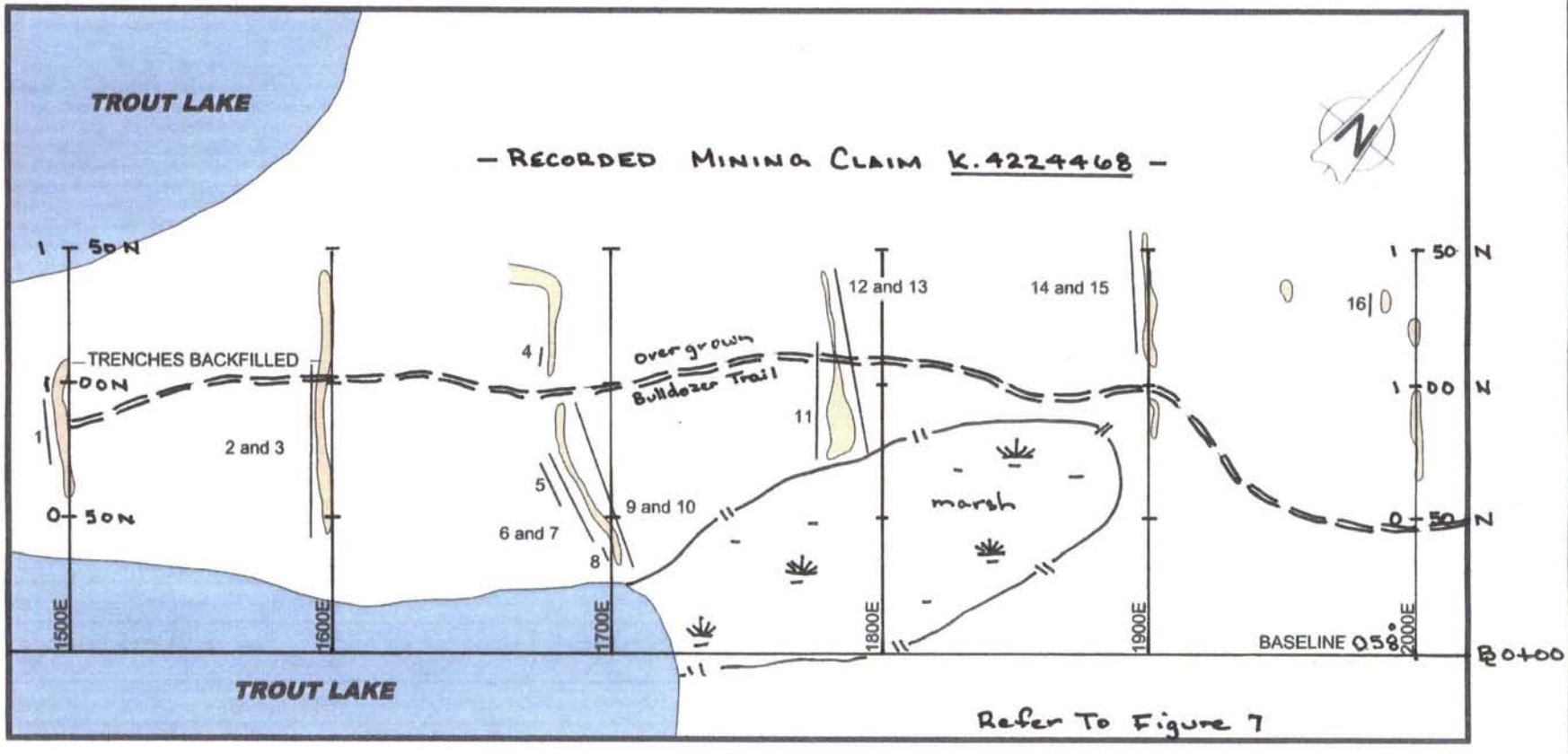
This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licenses, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

Areas under which special regulation, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

Type | Description

Act | SPECIAL CONSIDERATIONS AREA UNDER THE MINING ACT


HEGA GRAPHITE Inc. - West Half Claim Map # 2
Treelined Graphite Property
Figure 2-B
N
385000E
390000E
5570000N
627
Mega Graphite
4224108
4224107
4256191
4256193
4224109
4214236
Mega Graphite
4214237
1220418
1220417
Work Applied
1178882
1178881
1178882
1178880
Work Applied
1178880
1178880
1086141
1178884
1178883
PATERSON LAKE AREA
Work Applied
1220421
1220421
Mega Graphite
4224110
4256192
4256194
SpCi
1178859
1178858
Mega Graphite
CLM428
4204994
1163210
1086100
1160809
1178857
CLM469
3014350
4204790
1247024
4218361
Adjoins East Half Claim Map #1
UTM Zone 15
5000m grid



LEGEND

EXCAVATED TRENCH "Backfilled"

SELECTED SAMPLING RESULTS

1- (BELLWETHER)	1.34%C/22.5m	9- (BELLWETHER)	2.07%C/55m
2- (BELLWETHER)	1.23%C/60m	10- (BELLWETHER)	3.73%C/18m
3- (BELLWETHER)	2.0%C/10m	11- (BELLWETHER)	1.70%C/40m
4- (BELLWETHER)	1.58%C/6m	12- (BELLWETHER)	1.29%C/75m
5- (R.KUEHNBAUM)	3.55%C/12.5m	13- (BELLWETHER)	2.11%C/9m
6- (BELLWETHER)	2.11%C/25m	14- (BELLWETHER)	1.29%C/40m
7- (BELLWETHER)	2.85%C/12.5m	15- (BELLWETHER)	1.93%C/15m
8- (R.KUEHNBAUM)	5.32%C/2m	16- (BELLWETHER)	1.04%C/6m

FIGURE 3

MEGA GRAPHITE INC

"TREELINED GRAPHITE PROPERTY"

HISTORICAL TRENCH SAMPLING

0 50 100m

SCALE 1:2,500

TREE-FIG3 JUNE/12

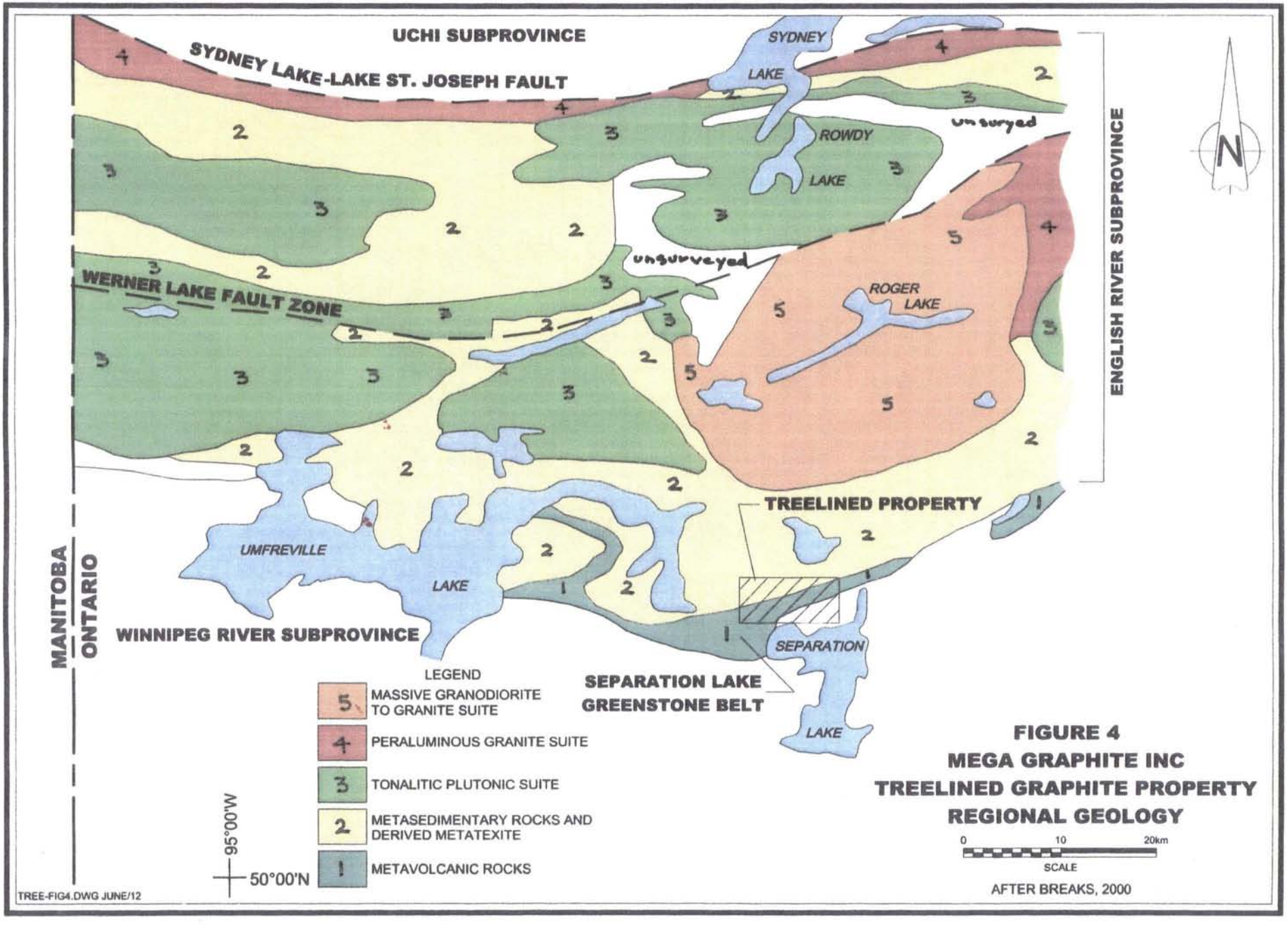
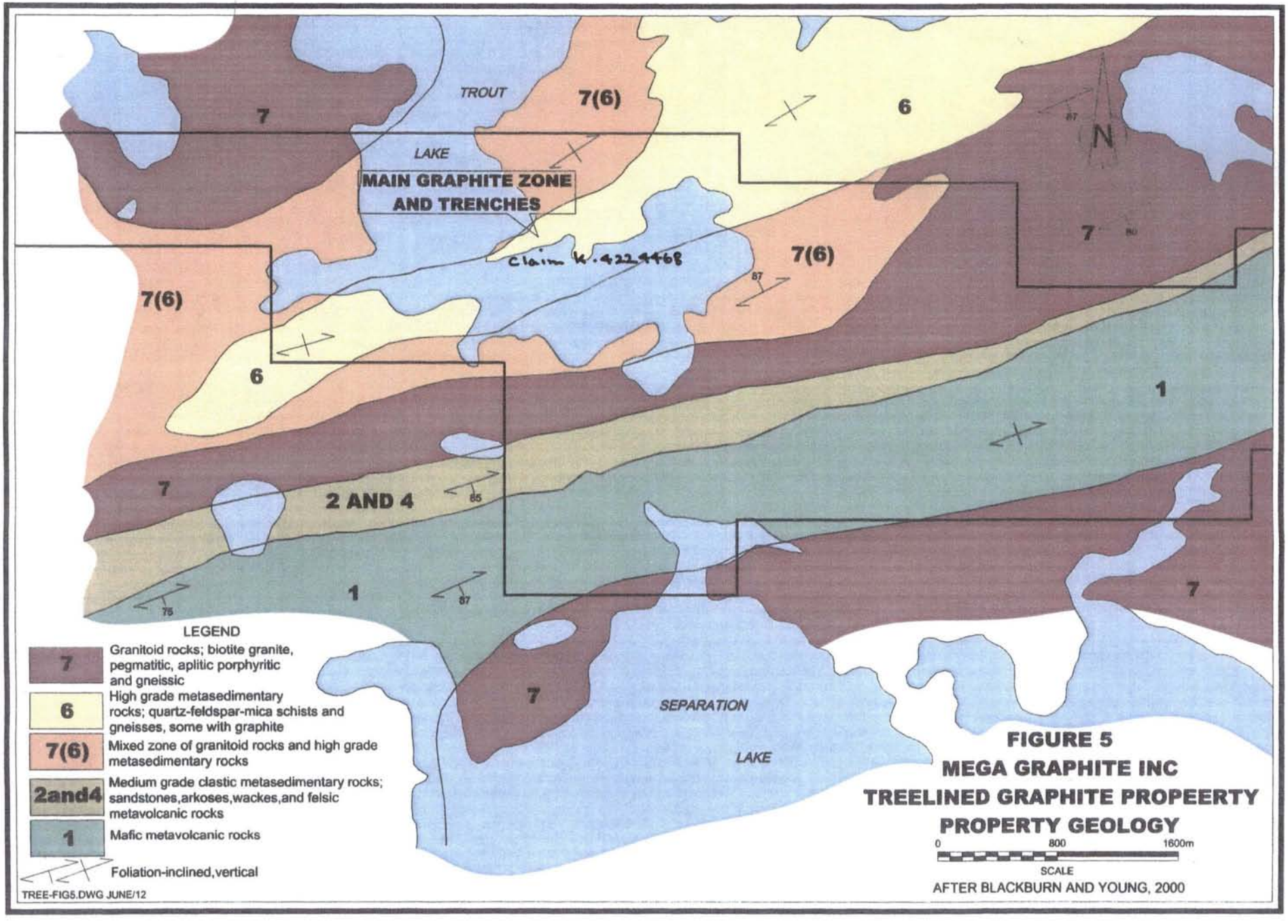
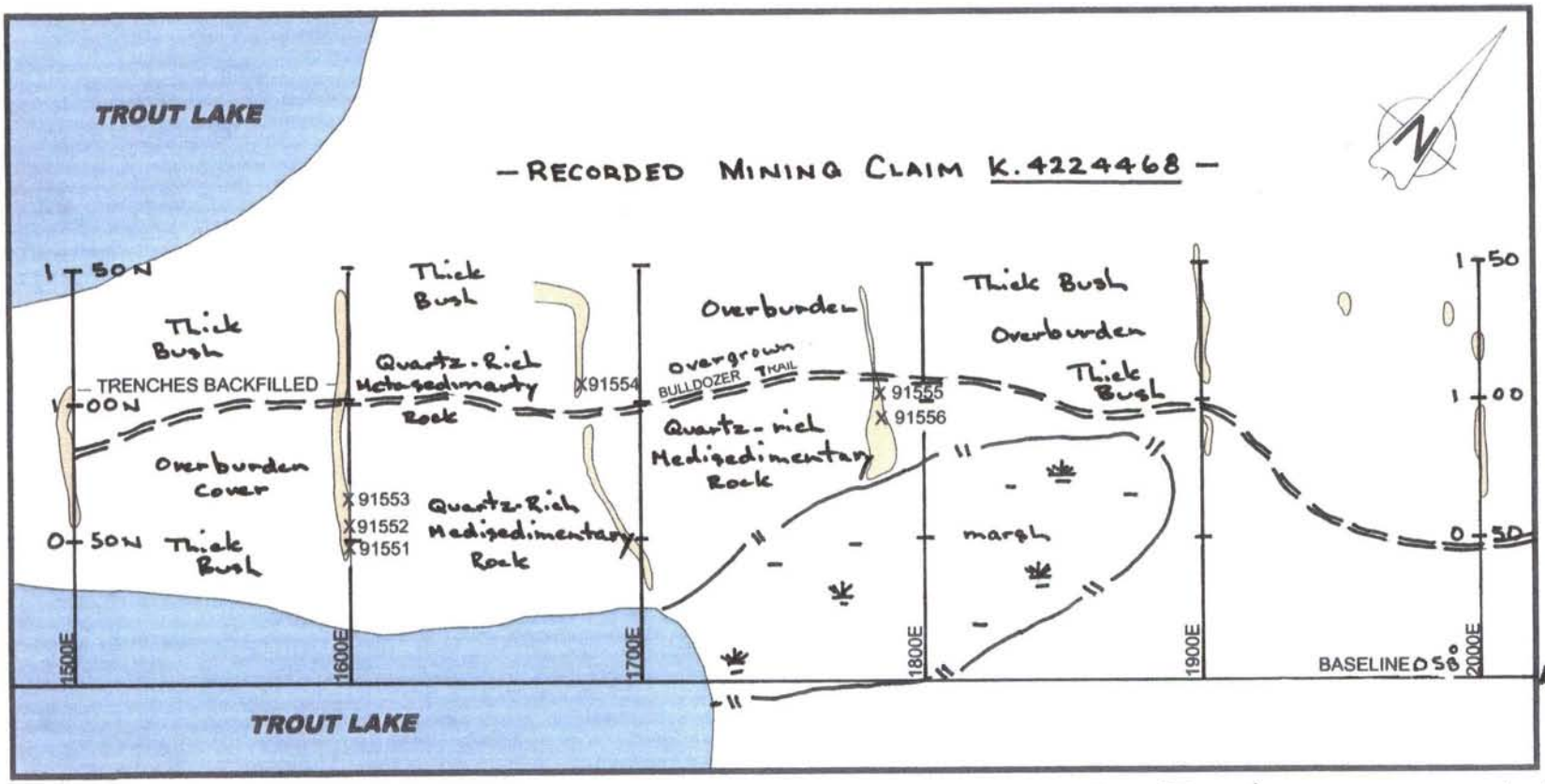


FIGURE 4
MEGA GRAPHITE INC
TREELINED GRAPHITE PROPERTY
REGIONAL GEOLOGY


TROUT
LAKE
MAIN GRAPHITE ZONE
AND TRENCHES
Claim K.4229468
7
7(6)
6
2 AND 4
1
SEPARATION
LAKE
N
87
65
75
LEGEND
Granitoid rocks; biotite granite, pegmatitic, aplitic porphyritic and gneissic
High grade metasedimentary rocks; quartz-feldspar-mica schists and gneisses, some with graphite
Mixed zone of granitoid rocks and high grade metasedimentary rocks
Medium grade clastic metasedimentary rocks; sandstones,arkoses,wackes,and felsic metavolcanic rocks
Mafic metavolcanic rocks
Foliation-inclined,vertical
TREE-FIG5.DWG JUNE/12
FIGURE 5
MEGA GRAPHITE INC
TREELINED GRAPHITE PROPEERTY
PROPERTY GEOLOGY
0
800
1600m
SCALE
AFTER BLACKBURN AND YOUNG, 2000



– Refer To Figure 5 - Property Geology Rock Unit #6 & Figure 7.

LEGEND

EXCAVATED TRENCH "Backfilled"

2012 SAMPLING RESULTS

SAMPLE	%C(g)	GRID LINE CO-ORDINATES
X 91551	6.18	TR 16+00E - 0+48 N
X 91552	1.00	TR 16+00 E - 0+55 N
X 91553	0.80	TR 16+00E - 0+65 N
X 91554	0.58	TR 16+80E - 1+05 N
X 91555	9.15	TR 17+85E - 1+02 N
X 91556	0.40	TR 17+85E - 0+92 N

NOTE: ALL SAMPLES ARE GRAB SAMPLES

Refer to page 12 for descriptions

FIGURE 6

MEGA GRAPHITE INC

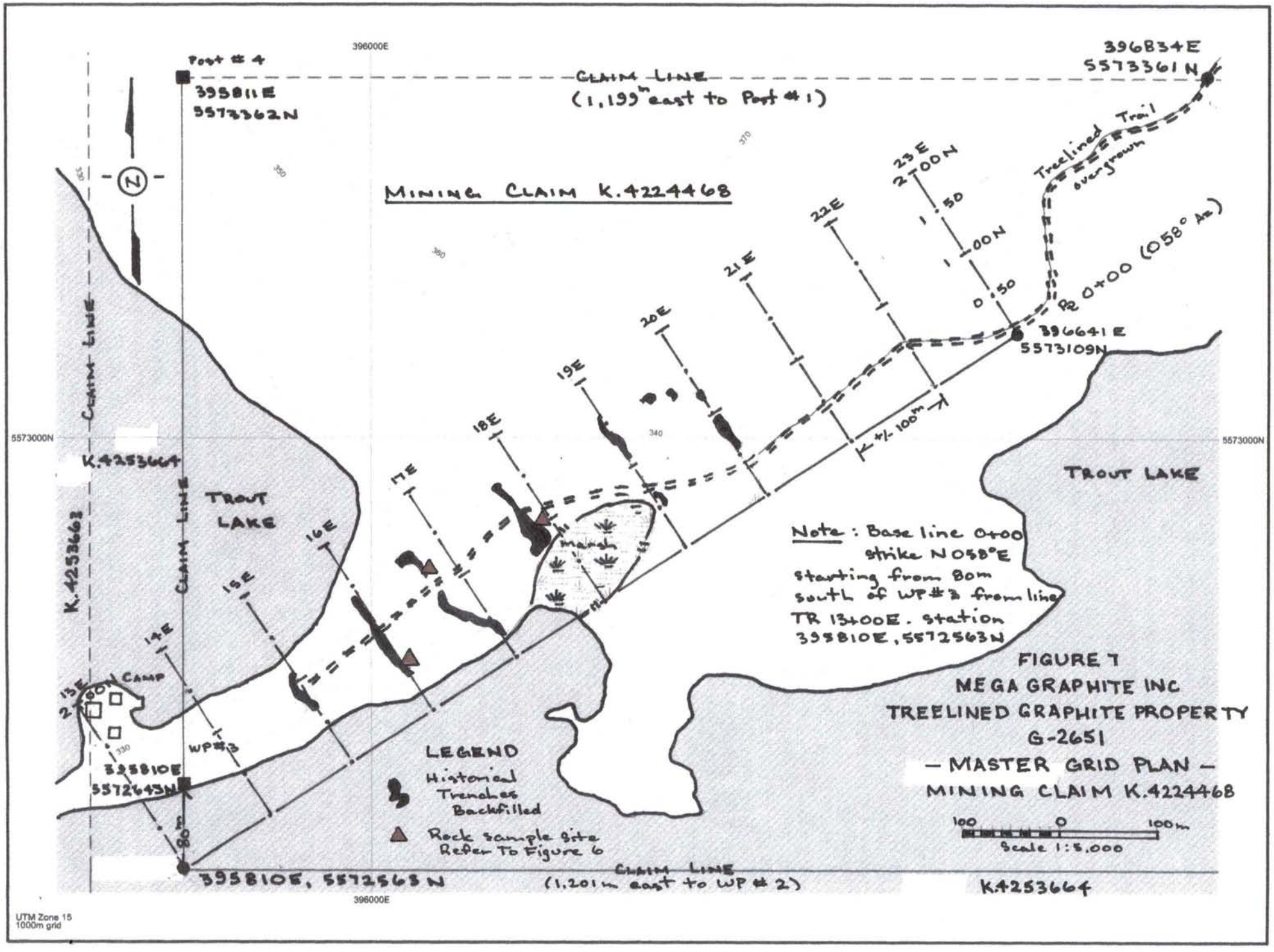
TREELINED GRAPHITE PROPERTY

"2012 SAMPLING LOCATIONS"

0 50 100m

SCALE 1: 2,500

TREE-FIG6 JUNE/12


396000E
Post # 4
395811E
5573362N
CLAIM LINE
(1,199m east to Post # 1)
396834E
5573361N
MINING CLAIM K.4224468
Treelined Trail overgrown
23E
2+00N
1+50
1+00N
0+50
22E
21E
20E
19E
18E
17E
16E
15E
14E
13E
PR 0+00 (058° Az)
396641E
5573109N
+/- 100m
5573000N
CLAIM LINE
K.4253664
K.4253663
TROUT LAKE
marsh
Note: Base line 0+00
strike N058°E
starting from 80m
south of WP#3 from line
TR 13+00E. station
395810E, 5572563N
Camp
WP#3
395810E
5572563N
80m
LEGEND
Historical Trenches Backfilled
Rock sample site Refer To Figure 6
FIGURE 7
MEGA GRAPHITE INC
TREELINED GRAPHITE PROPERTY
G-2651
– MASTER GRID PLAN –
MINING CLAIM K.4224468
100 0 100m
Scale 1:5,000
395810E, 5572563N
CLAIM LINE
(1,201m east to WP # 2)
K.4253664
UTM Zone 15
1000m grid