FALCONBRIDGE LIMITED (EXPLORATION)

ANNETT-TINDALE PROPERTY
PROJECT #'S 8257/8266

1996 DIAMOND DRILLING PROGRAMS
SHEARD, AMYOT, OGILVIE AND BROWNING TWPS.
NTS 41P/06

DRILL REPORT

2.17193

November 30, 1996

Stuart F.M. Gibbins
Project Geologist

FALCONBRIDGE LIMITED

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

List of Appendices

EXECUTIVE SUMMARY

The Annett-Tindale property comprises the Annett-Tindale Option and Annett-Tindale Extension project areas (PN's 8257/8266), located in Amyot, Browning, Ogilvie, and Sheard Townships, 15 km southwest of Shining Tree, 120 km south of Timmins. The property covers all of an isolated portion of the Abitibi Greenstone Belt (south of the Shining Tree Greenstone Belt), which is bordered by granitic intrusions to the west, north, and south, and unconformably overlain by Huronian sediments to the east. The property was acquired for Cu - Zn exploration in 1994 by option agreement from prospectors Roy Annett and Jack Tindale and by ground staking, following reconnaissance mapping of the area,. The property hosts on surface several iron and base metal sulphide showings and moderate alteration within a bimodal, subqueous volcanic sequence. Subsequently, weak to strong EM conductors were identified by both airborne and ground-based geophysical surveys. Previous exploration on the property is very limited. To date, there has been no significant base metal producer within the Shining Tree Area.

Exploration endeavors on the property by FALCONBRIDGE in 1996 were a continuation of a program that was initiated in 1995, directed at explaining untested, and previously unknown, moderate to strong AEM anomalies located in three main areas on the property. Detailed geological mapping in 1995 discovered a predominantly calc-alkaline suite of felsic to intermediate flows and fragmental rocks, with minor intercalated mafic volcanics. Surface grab samples returned assays of up to 2.53% Cu, 1.08% Zn, 3.00% Pb and 1056 ppb Au. In 1995 diamond drilling, totaling 3963m in 13 holes, defined a major mafic/felsic contact on the eastern margin of the property. Though, no economic mineralization was intersected, the eastern margin of the property was shown to contain significant iron and base-metal sulphide mineralization and to displays significantly strong alteration. Essentially all conductors tested in 1995 were shown to be sulphide induced, though minor amounts of graphitic argillite were intersected. Best assays returned values of up to 0.80% Cu over 1.0m, 5.22% Zn 0ver 0.56m and 1.12% Pb over 1.21m. Based on these results, exploration continued in 1996 on the property with minor ground geophysical and geochemical surveys and the continuation of a 'first pass' diamond drill program. This report is a summary of the 1996 program.

Exploration work in 1996 was focused in the south western portion of the property, on Grid B, which is limited to winter access only, and near the eastern margin of the property, on Grid A. Additional grid cutting (65.5 km), TEM, Max-Min, and Mis-a-la-Masse geophysical surveys, and a limited soil enzyme leach geochemical survey helped to define and eliminate targets on both Grid A and Grid B. During 1996, 16 diamond drill holes (4047 m) were drilled at an approximate cost of $73.6 per meter. The holes tested all remaining moderate to strong EM targets on the property. Eleven of the 16 drill holes successfully tested the planned geophysical targets, but with discouraging results. Drilling showed that EM conductors are caused by <1 m to 35 m thick sections of semi-massive to massive Fe-sulphides (pyrite ± pyrrhotite), that are bedded to stratabound, and base metal-poor to barren. Best intersections include 0.24% Cu, 0.56% Zn over 1.83 m, 0.04% Cu, and 0.49% Zn over 5.20 m. Lithgeochemical alteration on the property, though widespread over much of Grid A, is dominated by weak to moderate Na2O depletion and suggestive of a weak, low temperature (distal?) alteration. Very little significant chloritization or silicification occurs on Grid A. Alteration elsewhere on the property is weak, spotty to non-existent.

Based on the poor drill results no further work is warranted on the property. The property is determined to have a low potential to host a large tonnage VMS deposit near surface. It is recommended the option agreement with prospectors Roy Annett and Jack Tindale be terminated and that the property be returned to them in good standing. Outstanding drilling to date should be filed and applied to the optioned claims. FALCONBRIDGE staked claims should be allowed to lapse. Copies of all data should be forwarded to one of the partners.

1.0 INTRODUCTION

The Annett-Tindale property (Project Numbers 8257/8266), located 15 km southwest of Shining Tree, Ont., was acquired by option agreement from prospectors R. Annett and J. Tindale and in December, 1994, and by staking in 1995. The property covers portions of Sheard, Amyot, Ogilvie and Browning Twps. and consists of 416 units within 28 contiguous claim blocks.

A total of 16 diamond drill holes (4047 m) were drilled by FALCONBRIDGE LIMITED (EXPLORATION) on the Annett-Tindale property between the periods January 23 to April 4, and September 23 to October 22, 1996. The majority of the drill holes were part of a 'first pass' program directed at testing all remaining primary geophysical targets on the property for the potential of a >5 Mt VMS deposit. Eleven of the 16 drill holes were targeted on previously untested airborne, ground magnetic and EM geophysical anomalies. Five of the 16 drill holes were targeted on off-hole geophysical anomalies detected in previously drilled FALCONBRIDGE holes that failed to test or explain geophysical EM anomalies. Diamond drill holes drilled in 1995 by FALCONBRIDGE indicated that most of the geophysical EM anomalies on the property are Fe-sulphide induced, base metal-poor, and rarely due to graphitic argillite (Rogers and Gibbins, 1995). Geological mapping in 1995 identified numerous sulphide showings, elevated Zn and Cu values, Na depletion, and strong visible alteration within calc-alkaline felsic to intermediate flows and fragmental rocks, with minor intercalated mafic volcanics. Encouraging sulphide intersections associated with moderately strong VMS-style alteration, and unexplained, strong EM geophyscial anomalies made the property a promising exploration target for VMS deposits. The 16 diamond drill holes summarized in this report are part of a second, and final phase of diamond drilling on the property by FALCONBRIDGE to test unexplained moderate to strong AEM anomalies detected by a Questor airborne survey flown over the property in 1994.

The following report summarizes the results of the 1996 diamond drilling programs.

2.0 OBJECTIVES

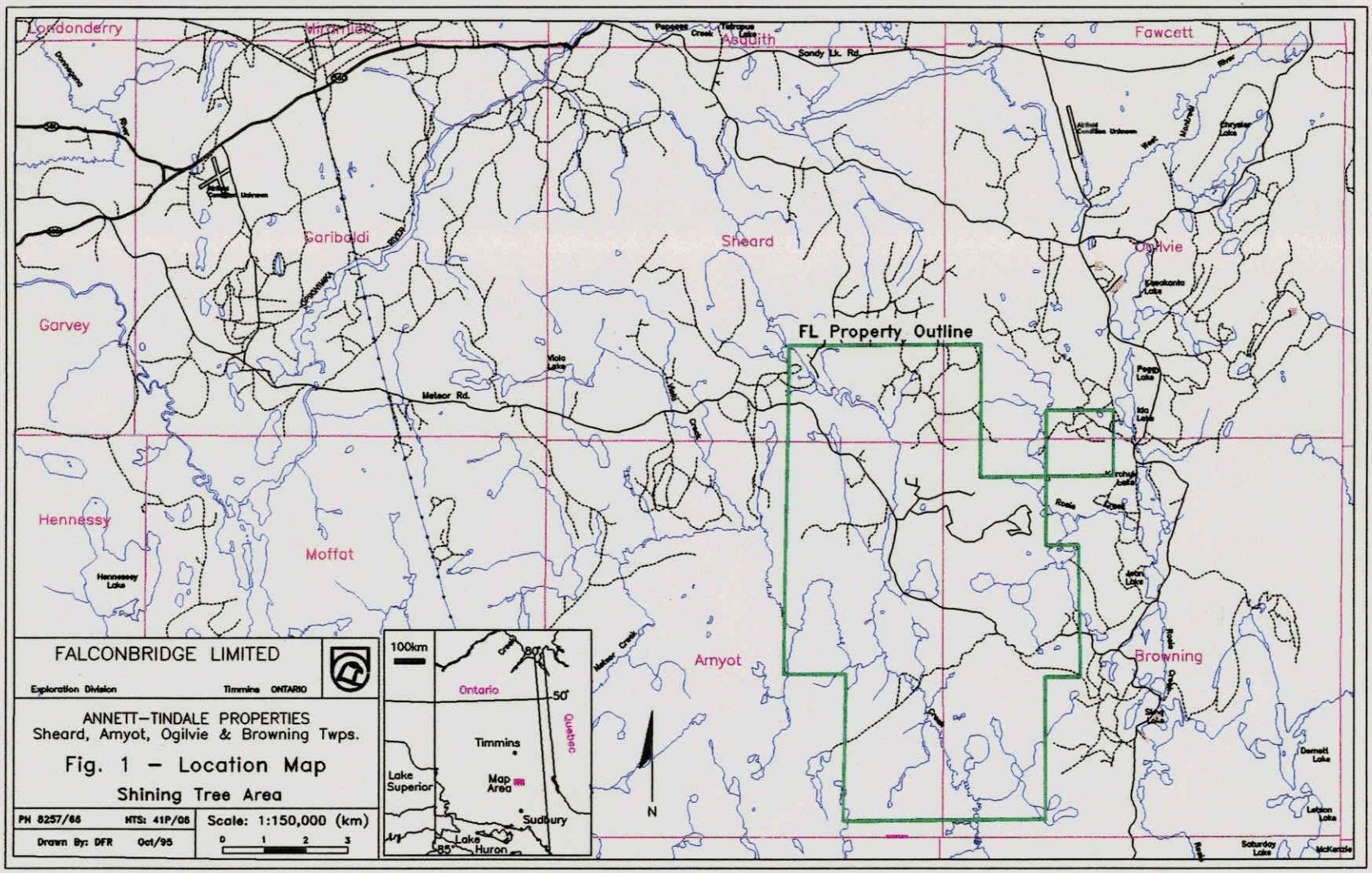
The 1996 drill programs continued, where the 1995 drill program left off, in a wide-spaced testing of unexplained primary geophysical AEM anomalies on the Annett Tindale property, which were detected in Questor's 1994 airborne survey. The drill programs in 1996 concluded the initial 'first-pass' program for the Annett-Tindale property, and followed-up on any strong off-hole geophysical anomalies that were detected in previously drilled and geophysically surveyed FALCONBRIDGE holes. The objectives for the program, in order of priority, were as follows:

1. Discovery of a >5 Mt Cu, Zn, Pb, (Au, Ag) volcanogenic massive sulphide deposit.
2. Wide-spaced testing of unexplained, strong geophysical EM anomalies on Grids A, B, G, F, and H, with an emphasis on Grid B, which is winter access only.
3. Testing of strong off-hole geophysical anomalies detected in drill holes BRO41-01, BRO41-02, BRO52-01, and any new holes drilled (i.e. AMY35-02, AMY45-01 and BRO52-03).

3.0 LOCATION AND ACCESS

The Annett-Tindale property (28 contiguous claim blocks) is located at the junction of Amyot, Sheard, Ogilvie and Browning Townships in northeastern Ontario (Figure 1). Located 15 km southwest of the village of Shining Tree, Ontario, the property lies approximately 120 km south of Timmins within the Larder Lake Mining Division.

Access to the area is via Hwy. 560, which extends east off of Highway 144 between Sudbury and Timmins. Two well maintained logging roads, Meteor Road and Sandy Lake Road extend south of Hwy.


Londonderry
Aaquith
Fawcett
Saribaldi
Sheard
Ogilvie
Garvey
FL Property Outline
Hennessy
Moffat
Amyot
Browning
Meteor Rd.
Sandy Lk. Rd.
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT–TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 1 – Location Map
Shining Tree Area
PN 8257/66
NTS: 41P/06
Scale: 1:150,000 (km)
Drawn By: DFR
Oct/95
0 1 2 3
100km
Ontario
Quebec
Timmins
Map Area
Lake Superior
Sudbury
Lake Huron
N

560 and provide year round access to the interior of the property. Logging activities in the area have recently improved access to the property and within it. Winter access to the property is dependent on contractors to plow roads.

4.0 TOPOGRAPHY, VEGETATION AND WATER AVAILABILITY

The eastern portion of the property is topographically low, characterized by marshes, cedar and alder swamps, cut by east-trending sandy eskers. Relief slightly increases to the west due to rolling hills and north-trending ridges of gabbro, which cross-cut minor swamps. Several ponds, lakes and streams also occur within the property. Mature growths of spruce, cedar, poplar and birch are the dominant vegetation.

Water availability for diamond drilling is good, as water bodies generally occur no more than 1 to 2 km apart. A standard-type ice bridge was required during the winter drill program for crossing Meteor Creek. Few problems were encountered during moving of the drill from site to site, however, in some areas winter snow depths and slush in the spring obstructed equipment and required significant amounts of ploughing. During particularly rainy periods of the year, access to the various grids is hampered by water laden swamps. A wide pad bull-dozer is essential for any future winter or spring drill programs in the area.

5.0 PROPERTY INFORMATION

The Annett-Tindale (Shining Tree) property is composed of two adjacent project areas. These are:

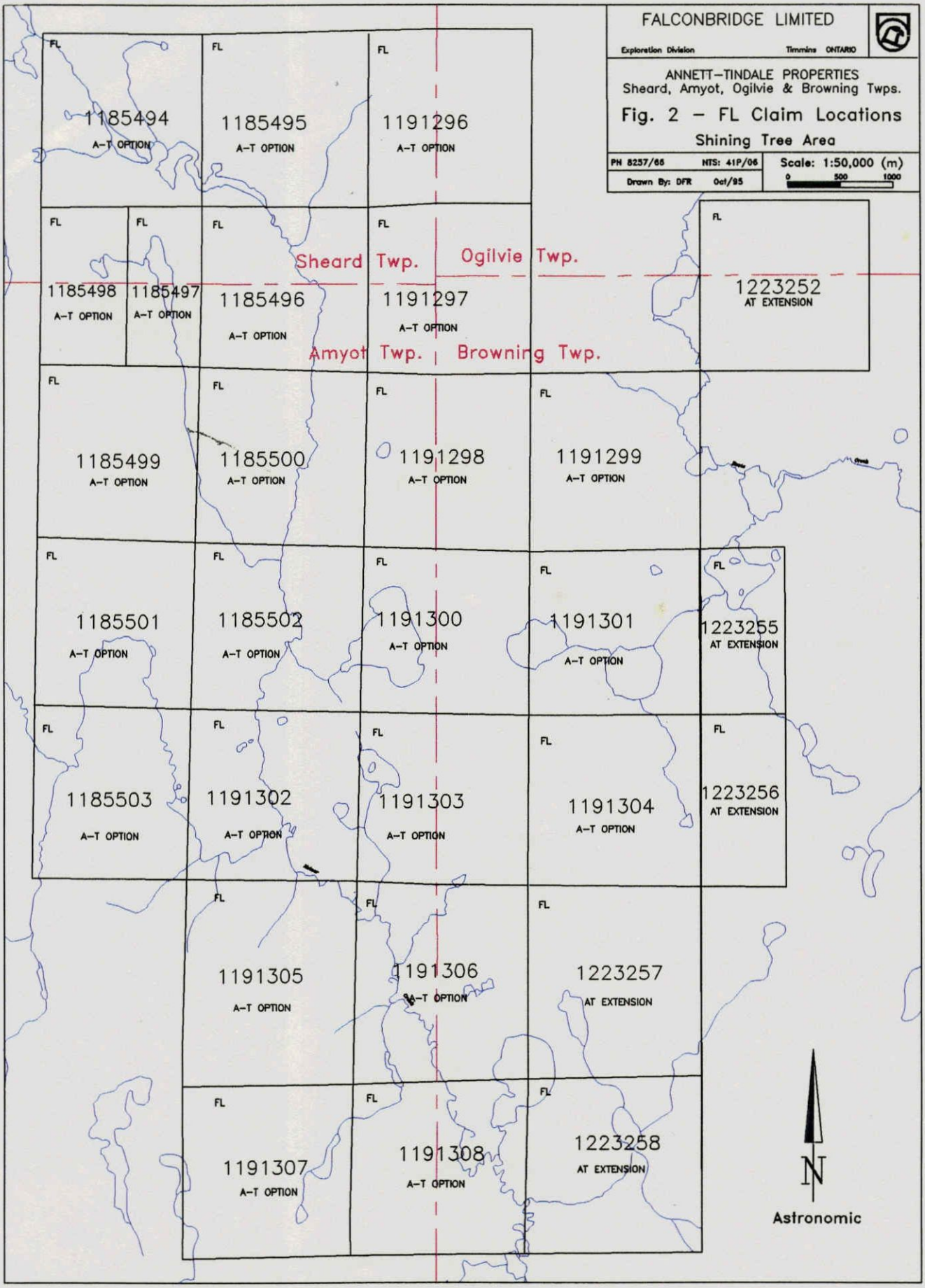
1) The Annett-Tindale Option (PN 8257) which was acquired by FALCONBRIDGE EXPLORATION by option agreement on Dec. 1st, 1994 from Roy Annett and Jack Tindale, local Shining Tree prospectors. Terms of the agreement include yearly option payments and a NSR, with FALCONBRIDGE becoming 100% owner of the property upon fulfillment of the option agreement of $100,000 over four years. The property consists of 23 contiguous claims comprised of 352 units. Assessment work totaling $140,800 must be completed on an annual basis to keep the claims in good standing.

2) The Annett-Tindale Extension property (PN 8266), consisting of 64 units within 5 claim blocks, was staked by FALCONBRIDGE EXPLORATION in early 1995. An annual expenditure of $25,600, beginning in 1997, is required for these claims.

Property details are illustrated in Figure 2 and a detailed listing of claim information is presented in Appendix B.

6.0 PREVIOUS WORK

Historical exploration for volcanogenic massive sulphide deposits on the property, and the surrounding area has been extremely limited. A summary of previous work by other companies and by FALCONBRIDGE LIMITED is presented in Table I.


FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT–TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 2 – FL Claim Locations
Shining Tree Area
PH 8257/66
NTS: 41P/06
Scale: 1:50,000 (m)
0 500 1000
Drawn By: DFR
Oct/95
Sheard Twp.
Ogilvie Twp.
Amyot Twp.
Browning Twp.
1185494 A-T OPTION
1185495 A-T OPTION
1191296 A-T OPTION
1185498 A-T OPTION
1185497 A-T OPTION
1185496 A-T OPTION
1191297 A-T OPTION
1223252 AT EXTENSION
1185499 A-T OPTION
1185500 A-T OPTION
1191298 A-T OPTION
1191299 A-T OPTION
1185501 A-T OPTION
1185502 A-T OPTION
1191300 A-T OPTION
1191301 A-T OPTION
1223255 AT EXTENSION
1185503 A-T OPTION
1191302 A-T OPTION
1191303 A-T OPTION
1191304 A-T OPTION
1223256 AT EXTENSION
1191305 A-T OPTION
1191306 A-T OPTION
1223257 AT EXTENSION
1191307 A-T OPTION
1191308 A-T OPTION
1223258 AT EXTENSION
N
Astronomic

YEAR	COMPANY	GEOPHYSICS	DDH #	DDH (l)	CLAIM	COMMENTS
1957	L. JEFFERSON		18	3-19 m	1185501 1185503 1191300	-Meteor creek, and south of Moosehead Lake. -Pyrite and chalcopyrite intersected in several holes. -Some core stacked at Meteor Creek.
1965	GEOLOGICAL SURVEY OF CANADA	AEM				-800 m spaced lines
1966	NORANDA	NAG, ground EM, and IP	3 ATX	140 m	1191305	Chalcopyrite, bornite, pyrite
1966	QUONTO EXPLORATION LTD.	ABEM Gun			1185503	-limited aerial extent
1966	WESPAC PETROLEUM LTD.	VLEM			1181501 1181502	-limited aerial extent
1968	ENERTEX DEVELOPMENT INC.	VLF-EM MAG			1191303 1191306	-Surveyed over two showings drilled by Noranda in 1966.
1987	GEOLOGICAL SURVEY OF CANADA					-Lake sediment samples were taken on the property during a regional survey. -Zinc values of 34-138 ppm -Manganese ranges from 52-667 ppm -Low copper and lead values -Anomalous zinc, and manganese to the east of the property
1993	ASQUITH RESOURCES INC.	VLF-EM			1185494 1185503	-Reconnaissance mapping and sampling over all claims -Geophysics over select areas
1994	FL				A-T Option Claims	-Reconnaissance geochemical sampling and mapping
1994	FL	AEM Airborne MAG			All Claims	-Identification of Conductors -Grid Cutting Intiated
1995	FL	MAX-MIN EM & MAG ground surveys Downhole geophysics	 13 BQ	 3963 m	All Claims All Claims All Claims	-Confirmation and refinement of AEM Conductors - Cutting of grids (232.95 km) - Ground MAX-MIN surveys over primary and secondary AEM targets - Ground magnetometer survey over all grids - Detailed (1:5000) geological mapping and lithogeochemical sampling; mechanical trenching
1996	FL	MAX-MIN EM survey over Meteor Creek TEM loop & MAG surveys on grids A, F, G, H Downhole geophysics	 16 BQ	 4047 m	All Claims	- Cutting of extensions on grids A and G (46.6 km) - Cutting of grid H (18.9 km) - Enzyme leach soil sampling Grid A

Table I - Summary of Previous Work

7.0 GEOLOGY

7.1 Regional Geology

The property covers almost all of a small (11 by 6 km) isolated outlier of the Abitibi Greenstone Belt, south of Shining Tree, in north central Ontario. The property overlies a triangular-shaped portion of greenstone, bounded on two sides by granitic rocks and overlain by Huronian Supergroup sediments on its' eastern margin (Figure 3).

A larger exposed area of volcanics to the north of the property, informally named the 'Shining Tree Greenstone Belt', has been the target of considerable mineral exploration in the past and present, particularly for gold. Huronian Supergroup sediments to the east are host to the world class Ag-Ni-Co deposits associated with a Nipissing Diabase Sill in the Cobalt-Gowganda area. To date, there has been no significant base metal producer within the Shining Tree area.

7.2 Property Geology

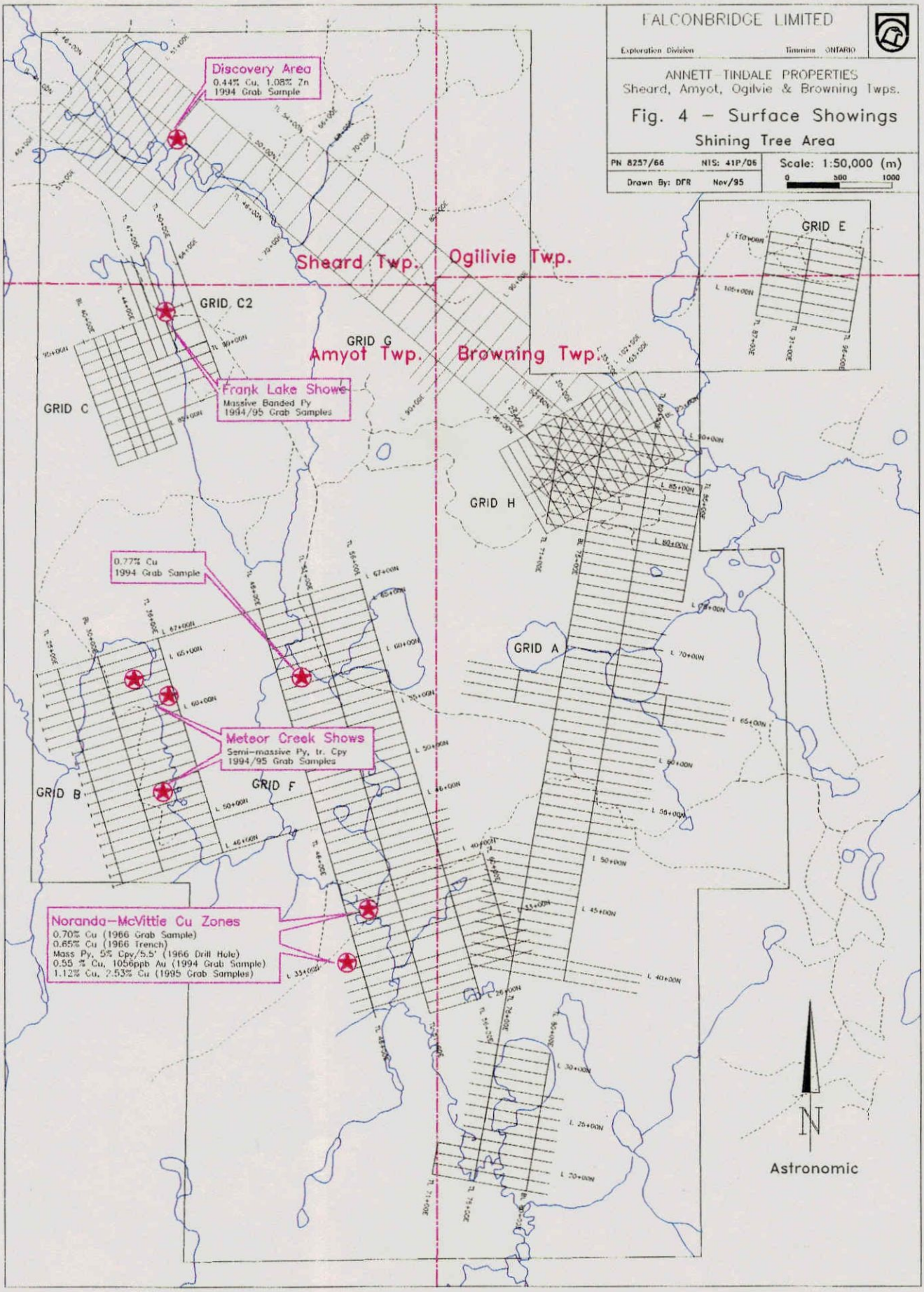
Reconnaissance mapping in 1994 by FALCONBRIDGE field crews discovered numerous iron-sulphide and base-metal sulphide showings and strong alteration within a bimodal, subaqueous volcanic sequence of rocks. Subsequently, weak to strong EM conductors were identified by both airborne and ground-based geophysical surveys. Surface grab samples of sulphide showings, returned assays of up to 2.53% Cu, 1.08% Zn, 3.00% Pb and 1056 ppb Au (Figure 4). Previous exploration for massive sulphides on the property has been very limited.

A detailed geological/diamond drill report (Rogers and Gibbins, 1995) describes the Annett-Tindale property well. Detailed geological mapping in 1995 on the property indicates a predominantly calc-alkaline suite of felsic to intermediate flows and fragmentals, with minor intercalated mafic volcanics. In general the volcanic belt consists of a lower north-trending sequence of tholeiitic, massive to pillowed mafic flows in the eastern portion of the property which is overlain(?) by calc-alkaline rhyolite lapilli-tuffs. A wide band of intermediate fragmental rocks occurs in the central portion of the property and more highly evolved, massive tholeiitic rhyolites occur on the western margin. Volcanic rocks in the western portion of the property consist primarily of massive, quartz-phyric rhyolite flows with minor intercalated mafics while intermediate to felsic flows and breccias dominate in the central portion. Dips in the western portion of the property (Grid B and C) are steep to moderate to the west. Dips in the central and eastern portions of the property are poorly understood, but appear to be steep to the west and east, locally complexly folded. Stratigraphy is cut by fine-grained mafic to gabbroic and diabase dykes. Numerous outcrops of quartz and feldspar porphyritic felsic intrusions were also mapped.

In 1995, diamond drilling totaling 3963m in 13 holes, defined a major mafic/felsic contact on the eastern portion of the property. No economic mineralization was intersected 1995 along this horizon, however significant and encouraging iron-sulphide and base-metal sulphide mineralization and strong alteration was encountered. EM anomalies that were tested in 1995 were mostly sulphide induced (i.e. not due to graphitic argillite). Best assays returned values of up to 0.80% Cu over 1.0m, 5.22% Zn over 0.56m and 1.12% Pb and 1.21m.

7.3 Structure and Metamorphism

Units strike approximately north-south and have steep to moderate dips both to the east and west. Complicated stratigraphy and EM trends in the eastern half of the property suggests complex folding, with stratigraply trending locally east-west, with shallow dips. Minor faults are generally manifested as scarps along the edges and ends of gabbroic ridges. Overall, the intensity of strain in the rocks is low, becoming strong only within discreet zones of shear. Foliations vary from steeply to shallowly dipping and from a northwest to a northeast trend. This suggests that the structural relationships within the property may be more complex than the low state of strain would suggest.


FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT-TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 4 – Surface Showings
Shining Tree Area
PN 8257/66
NTS: 41P/06
Drawn By: DFR
Nov/95
Scale: 1:50,000 (m)
0
500
1000
Discovery Area
0.44% Cu, 1.08% Zn
1994 Grab Sample
Sheard Twp.
Ogilvie Twp.
Amyot Twp.
Browning Twp.
GRID C2
GRID C
GRID G
GRID E
GRID H
GRID A
GRID B
GRID F
Frank Lake Shows
Massive Banded Py
1994/95 Grab Samples
0.77% Cu
1994 Grab Sample
Meteor Creek Shows
Semi-massive Py, tr. Cpy
1994/95 Grab Samples
Noranda–McVittie Cu Zones
0.70% Cu (1966 Grab Sample)
0.65% Cu (1966 Trench)
Mass Py, 5% Cpy/5.5' (1966 Drill Hole)
0.55 % Cu, 1056ppb Au (1994 Grab Sample)
1.12% Cu, 2.53% Cu (1995 Grab Samples)
N
Astronomic

Metamorphic grade, as is common throughout most of the Abitibi Greenstone Belt, is greenschist facies. The presence of small (1-3 mm) garnets in drill core suggests that metamorphic grade may have reached amphibolite facies locally on the Annett-Tindale property. The occurrence of these garnets may also be an indicator of alteration intensity, reflecting an over-abundance of Aluminum due to the removal of alkalis during the breakdown of feldspar minerals.

8.0 1996 DRILLING PROGRAM RESULTS

8.1 Introduction

In preparation of drilling in 1996, following the 1995 drill program, TEM geophysical surveys were completed over most of Grid A and part of Grid F, where Max Min surveys failed to detect or adequately explain moderate to strong AEM anomalies. Grid extensions to Grid A and Grid G were cut over frozen lakes and were also covered by TEM surveys. Grid H was cut over top of the northern top of Grid A, to allow for better geophysical coupling of a TEM survey (1995 drill results indicated stratigraphy trends in an east-west direction in this area and is therefore sub-parallel to grid lines on Grid A). A Mis-a-la-Masse survey and north-south Max-Min survy were completed over 1996 drill hole BRO52-03. Finally, a soil geochemical program (enzyme leach) was completed over the central and northern portions of Grid A.

Results of the geophysical and geochemical programs were mixed. No additional strong geophysical targets were identified in the north-western portion of the property (Grid G), where the Frank's Lake base metal showings were trenched in 1995. Nor were promising geophysical targets identified in the southern portion of Grid A or on Grid F. The TEM surveys over the central and northern portions of Grid A and Grid H were more promising. Strong, sub-parallel TEM geophysical anomalies were identified on Grid A, north of 1995 drill hole BRO41-01 and south of BRO52-02, and also on Grid H, east of 1995 drill hole BRO61-01. The TEM surveys also indicated limited potential of the mineralization intersected on Grid A in 1995 drill holes AMY31-01, BRO41-01, BRO41-02, BRO51-01, and BRO51-02, thus eliminating these areas as viable targets. The Mis-a-la-Masse and Max-Min surveys suggested mineralization intersected in BRO52-03 is shallow dipping and better to the south. The soil geochemical enzyme leach survey failed to identify a significant Cu or Zn anomaly over surveyed portions of Grid A. Spotty and weak Zn soil anomalies were delineated south and east of BRO52-02 and in the vicinity of BRO41-01 and BRO41-02 (see enzyme leach plots in Appendix K).

Based on these results the 1996 drill programs continued the approach of the 1995 drill program of wide-spaced (+300 m) testing, of unexplained, strong AEM anomalies on the property. In addition, off-hole targets that were identified by down-hole geophysics in previously drilled FL diamond drill holes, were pursued in 1996. Primarily, diamond drilling was directed at targets on 1) Grid B, which is best accessed in winter by way of an ice bridge across Meteor Creek, and 2) the promising mafic/felsic contact in the central and northern portions of Grid A that was identified by drilling in 1995.

Diamond drill holes AMY35-01, -02, -03, and AMY45-01, -02, - 03 were drilled on Grid B, and were targeted on 3 major Max -Min conductors. More drill holes than were expected were required on Grid B to test the geophysical anomalies because of extensive 'dyking-out' by intrusions (gabbro, diabase, and quartz-feldspar porphyry dykes) and/or drilling parallel to dip. Diamond drill holes beginning with "BRO" were targeted on Max-Min/TEM anomalies on the eastern portion of Grid G and the north central portions of Grid A. Geophysical conductors, where intersected, are due to base metal-poor semi-massive stringer and bedded Fe-sulphides. Alteration associated with the sulphides is at best moderately strong and primarily defined by Na2O depletion.

The following section summarizes the results of the 1996 drilling programs. Each hole is addressed individually in the order in which they were drilled. Highlight summaries for each hole can be found in Tables II-XVII. General diamond drill hole locations and the conductors tested can be found in Figure 5. A summary of drill hole collar coordinates and other survey information is provided in Appendices C and D. Copies of the drill logs with all geochemistry and 1:2,000 scale cross-sections showing geology and mineralization can be found in Appendices A, E, F and H. A summary of program costs is included in Appendix G.

8.1 Diamond Drill Hole Summary

1) BRO61-02

Coordinates
South West Grid G: 45+15N, 91+00E
5249364mN, 484897mE
Azimuth = 40°30' Final Length = 264m
Collar Dip = -50° Depth of OB = 25m

Targeted on a weak, 300 m long AEM and Max Min anomaly. Volcanics intersected in the hole are intermediate, heterolithic, brecciated matrix-supported mafic lapilli tuffs. Alteration, primarily sericite alteration, is pervasive, weak to moderate. No significant sulphides or geophysical conductor was intersected in the hole. Table II provides a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
161.20	249.00	Dacite breccia within mafic lapilli tuff	SePM, SiFM	PyD1%	2.98-2.22% K2O 0.08% K2O	no conductor or sulphide intersected

Table II - BRO61-02 Summary

2) BRO61-03

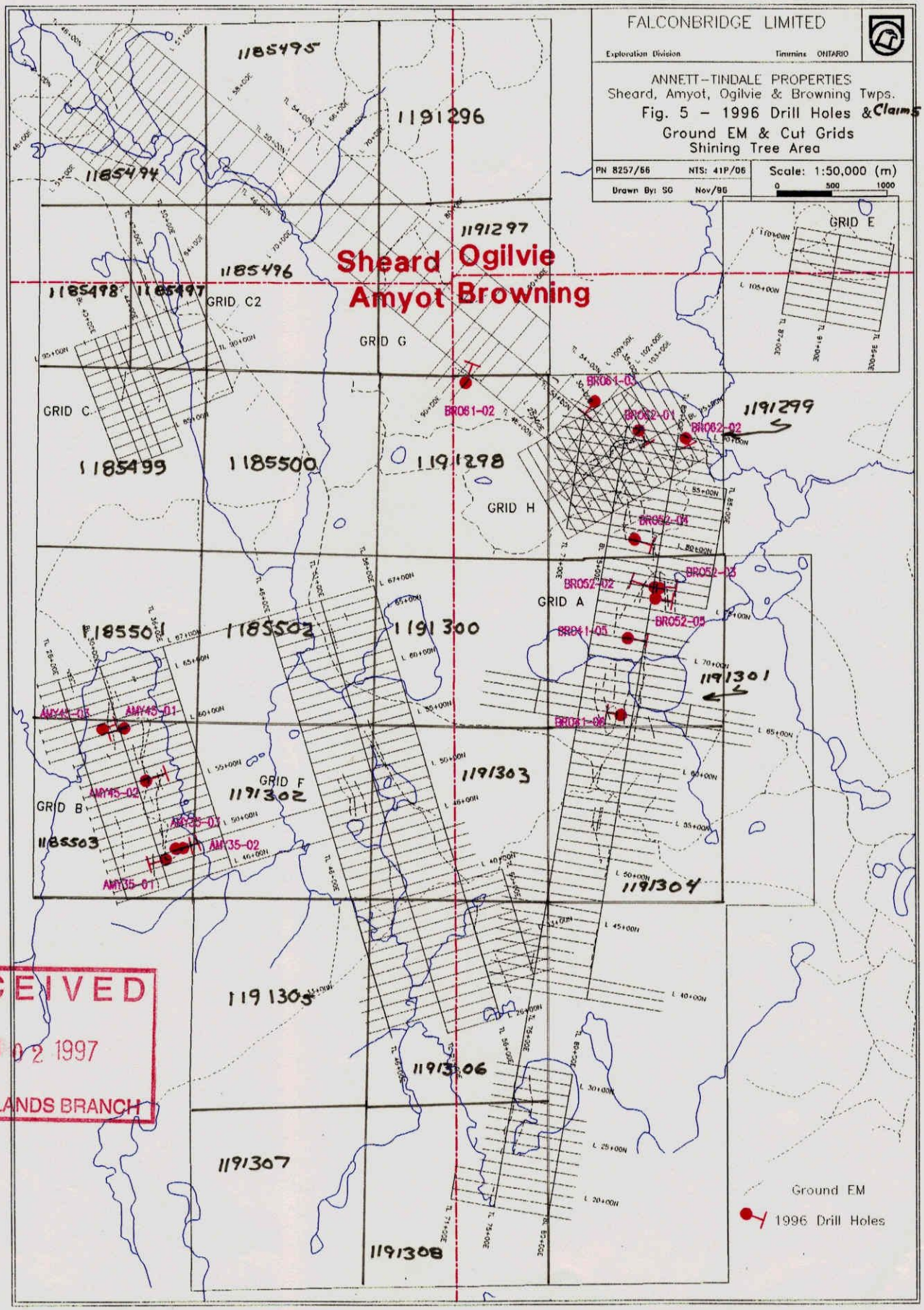
Coordinates
Grid G: 51+50N, 101+00E
5249184mN, 486076mE
Azimuth = 40°30' Final Length = 272m
Collar Dip = -55 ° Depth of OB = 42m

BRO61-03 was targeted on a weak, 450 m long AEM and moderate Max Min conductor. No significant sulphides and/or geophysical conductor was intersected in the hole. The majority of the hole intersected feldspar phyric and quartz amygdaloidal rhyolite porphyry, which is host to 1% disseminated pyrite. Alteration, primarily sericitization, is pervasive and weak with one pyrite hosted area of strong sericite. Alteration also locally occurs as pervasive moderate carbonatization. Table III provides a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
112.80	127.80	feldspar/quartz phyric amygdaloidal rhyolite	CbPM SePW			no conductor intersected
153.10	242.80	quartz-feldspar phyric rhyolite	SePS ChPW	PyD1.0%	2.10, 2.56% K2O 0.08% K2O	no conductor intersected

Table III - BRO61-03 Summary

10a



3) AMY45-01

Coordinates
North Central Grid B: 61+00N, 31+38E
5246218mN, 481769mE
Azimuth = 73° Final Length = 230m
Collar Dip = -50 ° Depth of OB = 4m

AMY45-01 is targeted on the southern half of a moderate deep 450m long Max Min anomaly, within the vicinity of a strong AEM anomaly. The hole collars in aplite (9bmD), intersects 57.6m of gabbro, then ends in quartz phyric, auto-brecciated massive rhyolite. No significant sulphides or geophysical conductor were intersected. An off-hole anomaly <25 m off-hole to the east, dipping parallel to the hole was detected during a downhole geophysical survey (this anomaly was tested by DDH AMY5-03). The gabbro intersected in AMY45-01 locally contains 4% disseminated blebby chalcopyrite, 2% galena, and 3% pyrite in a 20 cm quartz vein. The auto-brecciated quartz phyric rhyolite contains 2% disseminated pyrrhotite, and 2% disseminated pyrite. Alteration in the volcanics consists of strong pervasive silicification, moderate sericitization, and weak fracture controlled chloritization. The gabbro contains strong fracture controlled silicification and moderate carbonatization. Table IV provides summary highlights of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
37.00	37.20	Gabbro	SiFS	CpD4%, PyD3%		within quartz vein
73.80	108.90	Brecciated quartz phyric rhyolite	SiPM, ChFW	PoD2%, PyD2%	72.9% SiO2 0.48% K20	strong fracture silicification - no conductor intersected
136.40	160.60	Brecciated quartz phyric rhyolite	SiPW, SePW, ChPW	PoF1%, PyD2%	1.77 - 1.87% Na2O	no conductor intersected
174.45	174.90	Gabbro	SiFS	CpF1%, GnF2%, PyF5%		massive bull quartz vein

Table IV - AMY45-01 Summary

4) AMY35-01

Coordinates
Grid B: 48+50N, 30+45E
5245024mN, 482141mE
Azimuth = 73° Final Length = 236m
Collar Dip = -50 ° Depth of OB = 12m

AMY35-01 was targeted on a strong 100MHOS, deep (+80m), 300m long Max Min conductor, in the area of a strong AEM anomaly. The majority of the hole is fine grained, massive, quartz phyric, felsic intrusions (granite and felspar porphyry). The hole intersects many thin (1-5m) units of mafic intrusions (diabase dykes). No significant sulphides or geophysical conductor were intersected. Limited sulphide mineralization occurs in a gabbroic unit (3m of 2% fracture controlled pyrite) at 74m depth and at 12m depth within felsic intrusive (51m of 1-2% fracture controlled pyrite). A summary of highlights is presented in Table V.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
12.00	63.00	felsic intrusion with diabase dykes	SePW	PyF1-2%		no conductor intersected
71.40	85.30	gabbro		PyF2%		no conductor intersected

Table V - AMY35-01 Summary

5) AMY35-02

Coordinates
Grid B: 49+00N, 32+25E
5245125mN, 482299mE
Azimuth = 73° Final Length = 248m
Collar Dip = -57° Depth of OB = 3m

AMY35-02 was targeted on a 60m deep, 100m long, strong Max Min anomaly, within the vicinity of a strong AEM anomaly. The hole collars into auto-brecciated quartz phyric rhyolite containing 1% disseminated pyrite. The remainder of the felsic volcanics in the hole are amygdaloidal/vesicular, flow banded rhyolite, with moderate pervasive sericitization and silicification containing. The rhyolite contains 1% disseminated pyrite in fragments or amygdules. No significant sulphides or geophysical conductor was intersected in the hole. Geophysical surveying of the hole indicated an off-hole anomaly 10 m west of the hole, dipping parallel to the hole. The anomaly was followed up on by DDH AMY35-03. Table VI provides a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
70.10	85.60	amygdaloidal/ vesicular flow banded rhyolite	SePW	PyD1%		pyrite within fragments and flattened amygdules no conductor intersected
166.30	183.60	brecciated hyaloclastite flow banded dacite	SiPM, SePM ChPW	PyF1%, PyD1%	0.16 - 0.68% K2O	flow breccia no conductor intersected

Table VI - AMY35-02 Summary

6) AMY45-02

Coordinates
Central Grid B: 55+85N, 30+85E
5245739mN, 481965mE
Azimuth = 73° Final Length = 281m
Collar Dip = -50° Depth of OB = 6m

AMY45-02 is targeted on multiple Max Min conductors at 10MHOS and 75m depths, coincident with a moderately strong AEM anomaly. The hole collared and ended in quartz phyric rhyolite tuff. The unit contains fracture controlled pyrite (7%), fracture controlled sphalerite (1%), and fracture controlled chalcopyrite (0.5%) closely associated with quartz veins. From 141.00 to 141.60 the rhyolite contains 35% semi-bedded, disseminated pyrite which appears to replace fragments. A 1.1m interval of 55% disseminated

bedded pyrite also occurs in the rhyolite at 161.8m depth. These two west-dipping sulphide intersections are interpreted to be the cause of the AEM anomalies and Max-Min conductors. Table VII provides a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
36.52	38.35	amygdaloidal/ vesicular quartz phyric rhyolite	SiPM, SePM, SiFW	PyF7%, SphF1%, CpF0.5%	0.24% Cu, 0.56% Zn, 0.07% Pb over 1.83m,	geophysical conductor evolved rhyolite
141.00	141.60	rhyolite lapilli tuff	SePM, SiPW	PyD35%	barren	geophysical conductor
144.50	145.37	fine grained mafic intrusive	SePM, SiPW	PyB15%	barren	
147.00	151.20	rhyolite breccia & lapillistone	SePM, SiFM	~20% pyrite	barren	evolved rhyolite
161.80	162.90	quartz-feldspar phyric rhyolite	SePW	PyD55%	barren	geophysical conductor
171.29	177.30	brecciated rhyolite	SeFM, SiFM	PyF45%	247-261 ppm Cu over 3.5m 0.57% CaO, 6.04% K2O over 3m 78 ISHIKAWA 77.59% SiO2	geophysical conductor

Table VII - BRO45-02 Summary

7) AMY45-03

Coordinates
North Central Grid B: 61+50N, 28+47E
5246210mN, 481572mE
Azimuth = 73° Final Length = 152m
Collar Dip = -53° Depth of OB = 6m

AMY45-03 was targeted on an off-hole anomaly in AMY45-01. With the exception of a 13.3m interval of quartz feldspar porphyry at 34.5m, and a 25.48m unit of diabase at 62.72m, the hole intersected primarily amygdaloidal, massive rhyolite tuff. Pervasive strong sericitization and silicification, and pervasive weak epidote are associated with bedded, semi-conductive 15% blebby pyrite, 10% pyrrhotite, 0.5% sphalerite, and 0.3% chalcopyrite. Dips of the mineralization are to the west . Table VIII presents a summary of highlights for the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
47.80	56.85	tuff chert/exhalite rhyolite	SePS, SiPS, EpPW	PyB15%, PoB10%, SphD0.5%, CpD0.3%	0.16% Cu over 1.15 m 0.06% Zn over 1.45 m 1.39% Na2O	geophysical conductor strong local pervasive silicification and sericitization
108.70	115.00	quartz phyric rhyolite tuff	SiPM, SePM	PoD15%, PyD10%	383 ppm Cu 476 ppm Zn 63 ISHIKAWA INDEX	pyrite replaces pyrrhotite, sulphide replaces matrix and fragments

Table VIII - AMY45-03 Summary

8) AMY35-03

Coordinates
Grid B: 49+15N, 31+60E
5245120mN, 482232mE
Azimuth = 73° Final Length = 224m
Collar Dip = -57° Depth of OB = 6m

AMY35-03 was targeted on a west dipping off-hole geophysical anomaly in AMY35-02. The hole intersects fine grained, quartz phyric massive locally cherty rhyolite that is intruded by gabbroic dykes and felsic porhyries. The quartz phyric chert/exhalite rhyolite tuff is strongly and pervasively sericitized and silicified, with weak fracture controlled chloritization, and hosts 20% blebby and fracture controlled pyrite, 3-5% disseminated pyrrhotite, 0.5% disseminated sphalerite, and 0.1% chalcopyrite. This is interpreted to be the geophysical anomaly. The hole intersects multiple phases of felsic intrusive quartz feldspar porhyritic and mafic to intermediate ntrusive units which are barren of sulphide mineralization. Table IX presents a summary of highlights for the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
165.20	192.20	quartz phyric cherty rhyolite tuff	SePS, SiPS, ChSW	PyB15%, PyF5%, PoD3-5%, SphD0.5%, CpD0.1%	62-633 ppm Cu 28-283 ppm Zn 70.23 - 76.11% SiO2, 1.08% Na2O over 3 m 0.4% K2O over 3m 69 ISHIKAWA Index	geophysical conductor

Table IX - AMY35-03 Summary

9) BRO62-01

Coordinates
North Grid A: 89+85N, 76+00E
5248919mN, 486482mE
Azimuth = 150° Final Length = 233m
Collar Dip = -52° Depth of OB = 24m

BRO62-01 was targeted along strike of BRO61-01, and on a 150 m long 3MHOS anomaly at 65m depth. The area is associated with a moderately strong AEM anomaly. The hole intersects pyroclastic lapilli tuffs, heterolithic breccias, reworked lithic tuffs and volcanic debris flows of intermediate composition before encountering sulphidic argillite and ending in pillowed mafic volcanics. Fine, reworked ash-tuff/argillite (non-carbonaceous) contains 1m of 50% blebby pyrite. The rocks within the vicinity of the sulphides are strongly pervasively sericitized and weakly silicified. Reworked "white fragment" breccia contains weak pervasive sericitization, and 2-5% pyrite mineralization. Pyrite >50% is associated with thinly laminated tuffaceous argillite. Summary highlights of the hole are presented in Table X.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
88.70	89.70	~1 m of mudstone-argillite with strong tuffaceous component	SePS, SiPW CbPW	PyD5% PyB50%	barren	sulphide confined to argillaceous interbeds and conductive, weak alteration
189.60	192.30	thinly laminated reworked intermediate tuff	SePW CbPW	PyB55% PyD5%	0.32 - 1.12% Na2O over 30 m barren	>40% sulphide associated with argillite - possible conductor
196.54	196.90	fine reworked tuff and argillite	CbPW	PyB50%	barren	finely bedded and laminated

Table X - BRO62-01 Summary

10) BRO41-05

Coordinates
Central Grid A: 71+00N, 78+20E
5247024mN, 486372mE
Azimuth = 100° Final Length = 257m
Collar Dip = -47° Depth of OB = 93m

BRO41-05 was targeted on 2 moderate steeply west dipping TEM anomalies located at a depth of 100m, and 130m. The hole mainly intersected fine grained felsic and mafic interbedded volcanic tuffs and lapilli tuffs (slightly reworked), and very minor graphitic argillite, before ending in gabbro. The conductors are explained by two areas of significant sulphides (20% pyrite over 0.5 m, and 45% pyrrhotite, 15% pyrite, 1% chalcopyrite, and 1% sphalerite over 6m) within a felsic volcanic fine grained tuff and associated minor graphite. Alteration is predominantly weak, pervasive silicification, with some zones of weak sericite and chlorite. Table XI gives a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
95.00	131.00	rhyolite tuff	SePW, SiPW		0.40-0.89% Na2O	
133.85	134.14	Interbedded mafic/felsic volcanic tuff	GtPM, ChPM	PyB20%	0.40% Na2O	Garnet alteration is associated. with mafic tuff & chlorite alteration.
156.4	191.00	mafic-intermediate volcanic	ChPW, GtPW, SiPW		0.30-0.95% Na2O	
191.00	196.10	fine grained graphitic argillite and felsic volcanic tuff	SePM	PoC15-50%, PyM65%, PyB15%, CpD1.0%, SphC1.0%	167ppm Cu over 1.5m 375-412ppm Zn over 3m	sulphide replacement of graphitic/tuffaceous interbeds and fragments, conductor

Table XI - BRO41-05 Summary

11) BRO52-02

Coordinates
Central Grid A: 76+00N, 80+30E
5247480mN, 486665mE
Azimuth = 280° Final Length = 392m
Collar Dip = -47° Depth of OB = 56m

BRO52-02 was targeted on two parallel TEM steeply west dipping anomalies (one strong and one moderate) at 80m and 120m depth respectively. The hole collared into a large gabbroic unit followed by a diabase dyke, before intersecting interbedded fine grained tuffaceous, thinly laminated, and reworked felsic tuffs. No significant sulphides and/or conductors were intersected. There is a 20 cm section of 70% pyrite, hosted in felsic volcanic quartz phyric tuff at 239m depth. Alteration is moderate, pervasive sericitization, with weak silicification. The hole intersects numerous thin diabase dykes deeper in the hole. Table XII gives a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
177.56	186.50	Reworked Mafic Vol.	SiPW	PyD15%	0.47-0.63% Na2O 0.83-0.93% CaO 251 - 581 Alum	bedded sulphides in thinly laminated tuff - source of geophysical conductor?
220.10	220.40	Felsic to intermediate tuff	SePM SiPM	PyD45%	barren 0.79% Na2O	source of geophysical conductor?
232.80	237.30	Mafic/Felsic tuff	ChPW, SiSW	PyD10%, PoD5%	<0.01% Na20 0.1% K2O	weak laminated,
239.80	240.00	Felsic quartz phyric fine grained tuff	SePW	PyF70%	barren 86 ppm Cu 67 ppm Zn	conductive - source of geophysical conductor?

Table XII - BRO52-02 Summary

12) BRO52-03

Coordinates
Central Grid A: 76+00N, 79+85E
5247488mN, 486621mE
Azimuth = 89° Final Length = 332m
Collar Dip = -52° Depth of OB = 54m

BRO52-03 was targeted on two paralleled steeply east dipping TEM anomalies at depths and strengths of 100m weak and 120m strong, on the same grid line as BRO52-02, but further to the east and drilled in the opposite direction. The majority of the hole is composed of interbedded fine grained, thinly laminated, reworked felsic tuffs which is hosts locally up to 10 - 45% pyrite and 3% sphalerite over 35m. The hole ends in amygdaloidal mafic pillows. A highlight summary of the hole is presented in Table XIII.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
54.00	96.88	fine grained felsic volcanics with mafic volcanic intervals	ChPW, SiPM, SePW	PoF2%, PyD 3%	0.01-0.70%Na20 0.06-1.18%K2O 273-391 Alum 54-61 ISHIKAWA 1.82 ACNK Index 311-337 ppm Zn	concentrated in 5-10 cm thick seams - locally conductive, banded
54.30	54.82	fine grained mafic	ChPW	PoD40%	barren 0.01% Na2O	weakly conductive

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
		reworked tuff			278 Alum 61 ISHIKAWA	
122.70	126.44	Felsic and Mafic fine grained. tuff	SiPW, ChPW, SePW	PyD10 - 15%	barren	pyrite parallel and discordant to foliation,
126.44	127.60	fine grained mafic tuff	SiPW, ChPW	PyM90%, PoD5%	barren	bedded sulphide at 80° to core axis, strongly conductive
127.60	128.00	fine grained mafic tuff	SiFW	PoF30%	barren	quartz vein
128.00	160.00	fine to medium grained quartz phyric lithic tuff	SePW, SiPW	PyC25%	barren except for 520 - 750 ppm Zn over 4.5 m 72.93-77.30% SiO2 over 7 m, 0.30-1.90% Na2O%	semi-massive sections, very fragmental-looking, homo-geneous pyrite in all fragments likely sulphide replacement of tuff fragments
160.00	180.30	quartz phyric tuff and massive rhyolite	SePM	PyD1%	barren 0.30 - 0.69% Na2O 66 ISHIKAWA	
180.30	185.50	fine grained reworked felsic breccia	SiFM, SePW	PyD35%, SphD2%	0.04% Cu, 0.49% Zn over 5.20 m	
180.30	181.30	fine grained reworked felsic breccia	SiFM, SePW	PyB45%, SphD3%	0.1% Cu, 0.66% Zn, 0.24% Pb	finely bedded @ 50° to core axis, conductive
181.30	183.00	fine grained reworked felsic breccia	SiFM, SePW	PyD10%, SphD1%	barren	
183.00	185.50	fine grained reworked felsic breccia	SiFM, SePW	PyD15%, SphD3%	261 - 127 ppm Cu 0.42 - 0.69% Zn 0.49 - 0.29% Pb	contorted and broken-up by downhole, overlying pillows

Table XIII - BRO52-03 Summary

13) BRO52-04

Coordinates
North Grid A: 80+00N, 77+30E
5247926mN, 486439mE
Azimuth = 100° Final Length = 299m
Collar Dip = -50° Depth of OB = 21m

BRO52-04 is targeted on an off-hole steeply west dipping anomaly detected in a downhole geophysical survey in BRO52-01. The off-hole anomaly is below BRO52-01, east dipping, and at 45m depth. BRO52-04 intersected felsic to intermediate, medium grained, lapilli tuff which contains approximately 3% disseminated pyrite. No significant conductor was intersected, however the hole contains 5 - 7% pyrite over 8m at 156m depth, and 60% pyrrhotite over 10 cm at 158m depth. The hole also

intersected diabase, which may have dyked out the sulphides. Alteration is predominantly pervasive moderate sericitization. Table XIV provides a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
21.00	156.20	felsic lapilli tuff and heteorolithic fragmentals interbedded with minor mafic fragmentals	SePM	PyD3.0%	0.14 - 0.79% Na2O 63 - 64 ISHIKAWA	reworked volcanics hyaloclastite
158.60	158.70	Intermediate volcanic breccia, primary hyaloclastite	SePM, SiPW	PoF60%, PyF5%	197 ppm Cu	conductor?
159.00	159.70	Intermediate volcanic breccia, primary hyaloclastite	SePM, SiPW	PyD7%	718 ppm Zn	
163.60	164.86	Intermediate volcanic breccia, primary hyaloclastite	SePM, SiPW	PyD5%	252 ppm Cu, 335 ppm Zn	

Table XIV - BRO52-04 Summary

14) BRO62-02

Coordinates
Central Grid A: 23+50 mN, 36+00 mE
5248847mN, 486913mE,
Azimuth = 155° Final Length = 147 m
Collar Dip = -60° Depth of OB = 30 m

BRO62-02 was targeted on a steep north dipping TEM anomaly 80 - 100 m deep. The whole is east and along strike of mineralization intersected in drill holes BRO61-01 and BRO62-01. BRO62-02 intersects re-worked intermediate tuffs, mafic volcanics, and minor locally graphitic and sulphidic (3% pyrite) sediments (1.75m thick), which are interpreted to be the cause of the geophysical EM anomaly, at 132.05m depth. Drill rods became stuck at 147 m and the hole was abandoned without having fully tested the target horizon. Best sulphide mineralization in the hole occurs at 130m depth as 25% bedded pyrite and locally continues to 143m depth. Weak to moderate pervasive sericite is dominant in the hole. Table XV gives a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
129.50	135.92	Thinly laminated, reworked volcanic debris - sediment, locally graphitic	ChFW, CbPW	PyB15-20%, PyD15%	47 - 281 ppm Cu, 80 - 421 ppm Zn 1.01 - 1.13% Na2O	geophysical conductor due to , sulphides + graphite, mineralization truncated by graphitic fault

Table XV - BRO62-02 Summary

15) BRO52-05

Coordinates
Central Grid A: 23+50mN, 36+00mE
5247385mN, 486628mE
Azimuth = 155° Final Length = 243m
Collar Dip = -60° Depth of OB = 64.66m

BRO52-05 was targeted on a strong (+16 channel) off-hole anomaly outlined in BRO52-03 by a down hole geophysical survey. The anomaly was centered 30 m off-hole to the south of BRO52-03 at a depth of 80 - 100m. BRO52-03 also contained significant amounts of semi-massive sulphides (see above). BRO52-05 collared in gabbro, but intersected, interbedded and re-worked felsic, intermediate and mafic tuffs, and minor mafic flows, between 87.93 and 206.0 m (the target depth). Below 206 m the hole encountered massive, fine grained mafic flows and intrusions was stopped. The hole encountered 0.5-1% chalcopyrite, 1-2% sphalerite, and 1% galena in two, 3m and 2.5m Fe-sulphide-rich intersections at 100m and 125m depths respectively. BRO52-05 also contains two intersections of semi-massive (60%) bedded pyrite and up to 15% blebby pyrrhotite (4m and 2m widths) at depths 92m and 197m., which are likely the cause of the geophysical EM anomalies, though mineralization in these areas are not strong. The hole is locally weakly to moderately sericitized, with minor fracture-controlled chlorite. Mineralization and alteration was less than what was in BRO52-03. Table XVI gives a highlight summary of the hole.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
87.93	91.50	Mafic tuff	ChPS	PyM50%, PoD8%	133 -248 ppm Cu, 51 - 335 ppm Zn 0.08% Na2O 37.62% Fe2O3	sulphide assoc. with strong chlorite alteration - likely source of conductor
93.85	94.16	Reworked mafic tuff	ChFS, CbFM	PyM75%	barren 0.94% Na2O	geophysical conductor
97.88	132.31	Intermediate fragmental tuff	CbFW, ChFM, SePW	PyD4%, CpF0.5%, Gn1%, PoF1%, SphD1%	55 - 354 ppm Cu, 181 ppm - 0.46% Zn, 4 ppm - 0.13% Pb	in-situ brecciation - proximal deposit
164.65	166.56	Reworked mafic tuff	ChFW, SiSW, CbFW	PyD10%	756 ppm Zn	
171.52	181.30	Intermediate fragmental	ChFW, SiSW, CbFW	PyD8-20%, PoD2-4%	barren 0.61 - 0.92% Na2O 64.86 - 73.39% SiO2	semi-massive seams
186.76	188.82	Intermediate tuff	SePW, SiSW, CbFW	PoD8%, PyD4%	barren	
196.21	197.95	Intermediate tuff	SePW, SiSW	PyD25%, PoD12%	191 ppm Cu, 296 ppm Zn 0.89% Na2O	weak geophysical conductor

Table XVI - BRO52-05 Summary

16) BRO41-06

Coordinates
Central Grid A: 64+00 mN, 78+70 mE
5246325mN, 486304mE
Azimuth = 280° Final Length = 276 m
Collar Dip = -65° Depth of OB = 35 m

BRO41-06 was targeted on a weak flat-lying(?) Max-Min anomaly, and strong off-hole anomalies detected by down hole geophysical surveys of drill holes BRO41-01 and BRO41-02. The area is also associated with a moderately strong TEM anomaly and a pronounced magnetic high anomaly. Some confusion between geophysical surveys resulted in a enigmatic target, however, all surveys suggested a target depth of 80 - 120 m. BRO41-06 collared in a magnetic mafic intrusion, which is interpreted to be the source of the magnetic high in the area. Below the magnetic dyke, from 97.46 - 276.00 m, the hole intersected an interbedded sequence of quartz phyric rhyolite tuffs, massive felsic flows, and intermediate feldspar and quartz tuffs, which are cross-cut by felsic and mafic intrusions. No significant conductor or sulphides were intersected, though a moderately conductive 6.5m wide zone of 10-15% pyrite, and 5% pyrrhotite at 190m depth could be the cause of the anomaly. Sulphide mineralization and alteration within the hole is not promising. A highlight summary of the hole is presented in Table XVII.

FROM (m)	TO (m)	LITHOLOGY	ALTERATION	MINERALIZATION	WHOLE ROCK/ ASSAYS	COMMENTS
190.00	191.00	fine grained quartz phyric tuff	SePW, ChFW	PyD15%, PoD5%	barren	strongly conductive over short intervals
196.00	196.50	fine grained quartz phyric tuff	SePW, ChFW	PyD8%, PoD5%	barren	strongly conductive over short intervals

Table XVII - BRO41-06 Summary

9.0 SUMMARY OF ALTERATION AND LITHOGEOCHEMISTRY

9.1 Introduction

Lithogeochemical sampling over the 1995 detailed geological mapping season and the 1995-96 drilling season identified favorable, but weak areas of alteration which conform to criteria of VMS exploration. Overall, lithogeochemical alteration on the property is weak to moderate, with sericitization being the predominant type of visible alteration. Areas of interesting alteration include Grid B and central portions of Grid F, but by far the most interesting is the northern half of Grid A. Due to poor outcrop exposure and wide spaced drilling, geochemical anomalies tend to be spotty and generalized. Anomalous and highly anomalous Shining Tree lithogeochemical parameters, that are used herein, are summarized in Shining Tree Lithogeochemical Statistics Table XVIII and Appendix F. Geochemical plots are presented in Appendix J.

Colour Value	Na_2O (%)	Zn/Na_2O	Alum Index	ACNK Index	CaO (%)			Ishikawa Index
	All	All	Felsic	All	Felsic	Int.	Mafic	All
Magenta = Highly Anomalous	0.01-0.50	>200	>290	>1.5	>10.0	>10.5	>13.0	>80
Red = Anomalous	0.51-1.00	87-200	240 - 290	1.3-1.5	8.0-10.0	9.0-10.5	11.0-13.0	60-80
Cyan = Elevated	1.01-2.00	59-87	N/A	1.0-1.3	<0.5	<0.75	<2.0	N/A
Blue = Background	2.01-3.00	N/A	N/A	N/A	0.5-2.0	0.75-2.0	2.0-3.0	N/A
Black = Below Background	>3.01	<59	<240	<1.0	2.0-8.0	2.0-9.0	3.0-11.0	<60

Na2O = Depletion (wt. %)

CaO = Depletion or Enrichment (wt. %)

Zn/Na2O = Ratio (ppm/wt. %)

Ishikawa Index = $\frac{MgO+K2O}{Na2O+K2O+CaO+MgO} \times 100$ (wt. %)

Alum Index = $\frac{Al2O3}{Na2O+K2O+CaO} \times 100$ (wt. %)

ACNK Index = $\frac{Al}{Na+K+Ca}$ (molecular wt %)

Table XVIII - Statistical Parameters for Samples Used in Geochemical Distribution Maps

Grids A, F and B contain anomalous geochemical values of some interest. Grid E, G/G2, and C/C2 host geochemical anomalies which are spotty, weak, or do not contain characteristics of a substantial VMS target. Through the contouring of anomalous values, Grid A contains the strongest and most altered hydrothermal alteration zone, which is greater than 3.7 km x 250 m in size and trends north-south in the central portion of the grid. The strongest part of this alteration zone is centered around drill holes BRO52-02, -03, -05 and BRO41-05. The alteration zone in grid A is defined by Na_2O depletion, elevated Alum, Ishikawa, and ACNK indices, and spotty elevated SiO_2, MgO, and K_2O. Grid F indicates one good 450 m x 200m alteration zone with high Alum, Ishikawa, and ACNK indices, elevated sulphur and Na_2O depletion being dominant alteration types. Grid B alteration is generally spotty and inconsistent (weak).

9.2 Lithogeochemical Highlights

Na_2O

Contouring of Na_2O data is the best indication of hydrothermal alteration on the property. The largest and strongest zone of Na_2O depletion occurs in central part of Grid A and appears to trend north-south. The zone, as presently defined, is 3.7 km long and averages 250 m wide. Na_2O values range from depleted (1.01 - 2.00 % Na_2O) to highly depleted (0.01 - 0.50 % Na_2O). The limits of the zone are unknown, as it is based on limited surface data and wide spaced drilling. The Na_2O depletion zone is locally associated with SiO_2 and MgO enrichment and elevated values in the Ishikawa index. The Na_2O depletion zone forms a halo around all sulphides intersected to date and appears to trend parallel to EM conductors. Grid F contains one small, weak, zone of Na_2O depletion comprised of a drill hole and 6 rock samples. Na_2O depletion on other grids is non-existent to minimal, and not associated with other types of alteration.

Hole	Na_2O (%)	Length (m)	No. of Samples
BRO31-01	0.29 - 0.9	200	11
BRO52-02	0.01 - 0.85	175	11
BRO41-05	0.3 - 0.95	75	8
BRO41-01	0.34 - 0.94	100	7
BRO52-03	0.01 - 0.87	150	7
BRO52-04	0.14 - 0.79	100	6
BRO62-02	0.66 - 1.13	45	6
BRO52-05	0.63 - 1.01	+29?	5

Table XIX - Best Na_2O Drill Hole Results

SiO_2

Significant elevated SiO_2 occurs mainly in Grid A as a series of 'spot highs' in drill holes associated with Na_2O depletion and Ishikawa index anomalies. Elevated SiO2 is also noted in mineralized drill holes on Grid B. A strong SiO_2 enriched zone (100m x 100m) is 200m north of BRO42-01 and east of Grid A, noted in surface sampling. The anomalies in this area are unexplained. Grid F contains weak spotty areas (100 x

50m) of SiO_2 enrichment in the southern half of the grid, in the vicinity of the Cu - Au showing and drill hole AMY36-01. Other grids do not contain significant zones.

Hole	SiO_2 (%)	Length (m)
AMY45-02	fel 77.59 - 79.15	10
AMY45-03	fel 77.44 - 78.75	10
BRO41-05	int/maf 58.39-69.75	30
BRO31-01	int/maf 57.46-71.25	20

Table XX - Best SiO_2 Drill Hole Results

MgO

Significant MgO enrichment is present within Grids A, F, and a 300 x 200 m area 1km north of Grid F. The strongest contoured anomaly in Grid F is 600m north of drill hole AMY36-01 and consists of one strong and two above average MgO enriched surface samples. Other areas in Grid F are spotty, weak or contain few samples. Other drill holes contain above average MgO enrichment.

Hole	MgO (%)	Length	No. of Samples
BRO41-01	9.2-9.58	20	2
BRO42-01	9.82-15.57	20	2
BRO51-01	9.23-9.4	15	2
AMY36-01	9.86-9.91	25	2

Table XXI - Best MgO Drill Hole Results

K_2O

K_2O enrichment and depletion occurs on all the grids, and are commonly adjacent to one another. The greatest 'movement' of K_2O as either enrichment (>3.01 of K_2O) or depletion (0.01 - 0.50% of K_2O) occurs in north central Grid A. Anomalous K_2O depletion is also noted 1 km north of Grid F from a grab sample.

Hole	K_2O Enrichment (%)	K_2O Depletion (%)	Length (m)	No. of Samples
BRO52-02	3.58 - 3.74		125	5
AMY36-01	3.12 - 3.84		15	4
BRO31-01	2.44 - 4.32		15	3
BRO51-02		0.04 - 0.1	100	8
BRO51-01		0.01 - 0.1	100	7
BRO52-03		0.02 - 0.06	60	4

Table XXII - Best K_2O Drill Hole Results

Cu

In general, the property shows spotty, weak to moderate areas of Cu enrichment. Grid A and Grid F contain the highest and most consistently elevated Cu values. Drill hole AMY36-01 in Grid F contains 3 elevated (495, 315, 160 ppm) samples. Holes BRO31-01 and BRO42-01 in Grid A contain 2 samples each at 155 and 280 ppm, and 155 and 165ppm respectively. Elevated Cu values in drill holes in Grid A indicate a north-south trend parallel to EM conductors. The Cu trend is open to the north and south.

Zn

Zones of elevated Zn anomalies on the property exist on Grid A, F, and G. Zones of elevated Zn anomalies are associated with Cu, Na_2O, Ishikawa, and SiO_2 anomalies. The most anomalous Zn values were obtained from holes AMY65-02, AMY36-01 and BRO41-04. The strongest trend (north-south) of elevated Zn is found in Grid A.

Zn/Na_2O

Anomalous Severin ratios of Zn/Na2O is a reflection more of Na_2O depletion than Zinc enrichment. The property contains only spotty areas of high Zn/Na_2O, except in two areas on Grid F, and one narrow central zone on Grid A in holes BRO52-01, -02, -03, -04, -05, BRO41-01, -02, -03, -04, -05, -06 and BRO31-01. The long narrow zone in Grid A contains a good distribution of consistent anomalous values, whereas the two areas in Grid F represent a small number of samples, with weaker ratios.

Cu/Cu+Zn

There are many large areas over the property which indicate high Cu/Cu+Zn values. The most significant and consistent ratios lie over Grid A, similar to Zn/Na_2O, involving the same holes as listed above, in a central, narrow, zone trending north-south parallel to EM conductors on Grid A.

Ishikawa, Alum, and ACNK Indexes

Anomalous Ishikawa Index (>60) zones (Ishikawa and Yanagisawa, 1974) are closely associated with highly anomalous Na_2O depletion zones on Grid A. The index represents the increase in MgO and K_2O relative to Na_2O and Al_2O_3, by the formation of chlorite and sericite due to feldspar destruction during alteration. In general, sericite is the more abundant alteration on Grid A. Other grids show spotty or no significant association of the Ishikawa index with sulfide mineralization.

Hole	Ishikawa	Average	Length (m)	No. of Samples
AMY36-01	60 - 90	75.5	25	10
BRO52-02	60 - 80	69.1	50	11
AMY31-01	60 - 86	74.6	30	6
BRO41-04	62 - 71	65.5	30	4
BRO52-04	63 - 64	63.75	30	4

Table XXIII - Best Ishikawa Drill Hole Results

The Alum index measures the amount of alteration due to feldspar destruction. The largest area of alteration indicated by the Alum Index is on Grid F, however there are more, highly anomalous samples taken from Grid A.

The ACNK Index (Keith, 1987) determines alteration levels due to reduction of feldspars in volcanic rock, and is very similar to the Alum index except the ACNK uses molecular weight percent versus volume percent and is insensitive to rock type. The ACNK Index measures total alkali depletion during the breakdown of feldspar minerals by monitoring their abundance in relation to the abundance of aluminum, which is relatively immobile in the rocks during alteration. In general the property shows large zones of above average levels of ACNK Index numbers (1.01-1.30), but only spotty and weak areas of highly anomalous (>1.31) areas of alteration. The largest and strongest areas of elevated ACNK trend north-south on Grid A and above hole AMY36-01 on Grid F.

11.0 SUMMARY, INTERPRETATION, AND RECOMMENDATIONS

During the period from January to October, 1996, a first pass grass-roots diamond drilling exploration program was completed on the Annett-Tindale Option and Annett-Tindale Extension properties located in Amyot, Browning, Ogilvie, and Sheard townships, south of Shining Tree, 120 km south of Timmins. The exploration program was directed at the discovery of a large tonnage, near surface VMS deposit and was a continuation of a program that was initiated in 1995, directed at explaining untested, and previously unknown, moderate to strong AEM anomalies located in three main areas on the properties. The program was continued in 1996 based on encouraging results in 1995 which included the following: (1) a favourable volcanic environment, (2) moderately strong Na2O depletion over a significantly large area, (3) semi-massive to massive Fe-sulphide intersections locally containing low-grade base metal, (4) untested base metal-bearing surface sulphide showings, (5) untested, unexplained AEM, Max-Min, and TEM geophysical anomalies, and (6) encouraging off-hole geophysical anomalies.

Field work preparation for diamond drilling in 1996 primarily consisted of grid cutting (65.5 km), ground geophysical surveys (TEM, Max-Min, Mis-a-la-Masse) and geochemical soil enzyme leach sampling. Mixed, though overall encouraging results from these surveys indicated further drilling was warranted on the property in the central and northern portions of Grid A, eastern Grid G, and on Grid B. As a result, 16 additional diamond drill holes (4047 m) were drilled on the property during two drill programs. Thirteen holes (3381 m) were drilled during the winter and 3 holes (666 m) were subsequently drilled during the fall. Winter drilling was by Norex, with all up costs of approximately $225,623 ($67/m). Fall drilling was by Dominik, with an approximate cost of $72,328 ($108/m). Combined, the drill programs cost approximately $297,951 ($73.6/m). Grid cutting, geophysical surveys, geochemical surveys and salaries unrelated to drill supervision are not included in these totals.

Six of the 16 diamond drill holes drilled on the property in 1996 were directed at strong geophysical anomalies in the south western portion of the property, on Grid B, in the vicinity of sulphide showings near Meteor Creek. Poor understanding of stratigraphy due to limited outcrop exposure and limited geophysical data resulted in the drilling of 3 holes that failed to test the geophysical target because the holes were drilled parallel to stratigraphy and mineralization and/or they were 'dyked out' by intrusions. Following down-hole geophysical surveys, drilling was re-directed and successfully explained the three main EM axis on Grid B. West-dipping, base metal-poor to low grade semi-massive to massive mineralization was intersected in 3 holes over intervals of 7 to 35 m. Alteration was only very local to the sulphides and not significantly strong. Though the hosting rocks types (massive and auto-brecciated rhyolite) and bedded mineralization are encouraging, the low grade mineralization, weak alteration, and thin sulphide widths are not. The area lacks promising potential to host a large tonnage VMS deposit.

Two of the 16 diamond drill holes drilled on the property in 1996 were drilled on the eastern half of Grid G, targeted on weak to moderate Max-Min anomalies. No sulphides or conductors were intersected. The VMS stratigraphy that was intersected is unaltered. The area is unfavourable for a VMS deposit.

The remaining 8 of 16 diamond drill holes that were drilled in 1996 are in the central and northern portions of Grid A. All holes were successful in testing the planned geophysical targets, but not all intersected significant sulphides. Holes on Grid A were targeted on a major felsic/mafic contact that trends essentially north-south, but bends east-west in the northern portion of the grid. Mineralization that was intersected consists primarily of bedded to stratabound semi-massive pyrite, with minor pyrite, hosted within reworked sericitized felsic to intermediate tuffs and minor argillite that are overlain by largely unaltered mafic pillows. Sulphide intersections, though pyrite-rich, are replacement-type and contain only minor amounts of base metal. In 1995, stringer mineralization was noted in the overlying mafic pillows in drill intersections to the north. This may suggest multiple (stacked?) mineralized horizons, or is an indication that our understanding of stratigraphic tops is wrong. Alteration within the best mineralized holes is dominated by weak to moderate Na2O depletion and only weak Ishikawa and ACNK alteration indices. The depositional environment of both the volcanic rocks and sulphides is poorly understood. Rocks in area would appear to be less proximal to a volcanic vent than rocks found on Grid B, though some proximal-like rocks (hyaloclastite) were noted in holes BRO52-02, BRO52-03, BRO52-04 and BRO52-05. Nevertheless, mineralization and alteration intersected in diamond drill holes drilled on Grid A indicate the area is not favourable for a large tonnage near surface VMS deposit.

Figures 7 and 8 show the location of all diamond drill holes drilled on the Annett-Tindale property by FALCONBRIDGE during 1995 and 1996, with the most significantly mineralized intersections. The 29 diamond drill holes drilled by FALCONBRIDGE during 1995 and 1996 adequately test the three target areas discovered by the 1994 airborne EM and MAG survey flown over the property.

Based on the poor drill results no further work is warranted on the property. The property is determined to have a low potential to host a large tonnage VMS deposit near surface. It is recommended the option agreement with prospectors Roy Annett and Jack Tindale be terminated and that the property be returned to them in good standing. Outstanding drilling to date should be filed and applied to the optioned claims. FALCONBRIDGE staked claims should be allowed to lapse. Copies of all data should be forwarded to one of the partners.

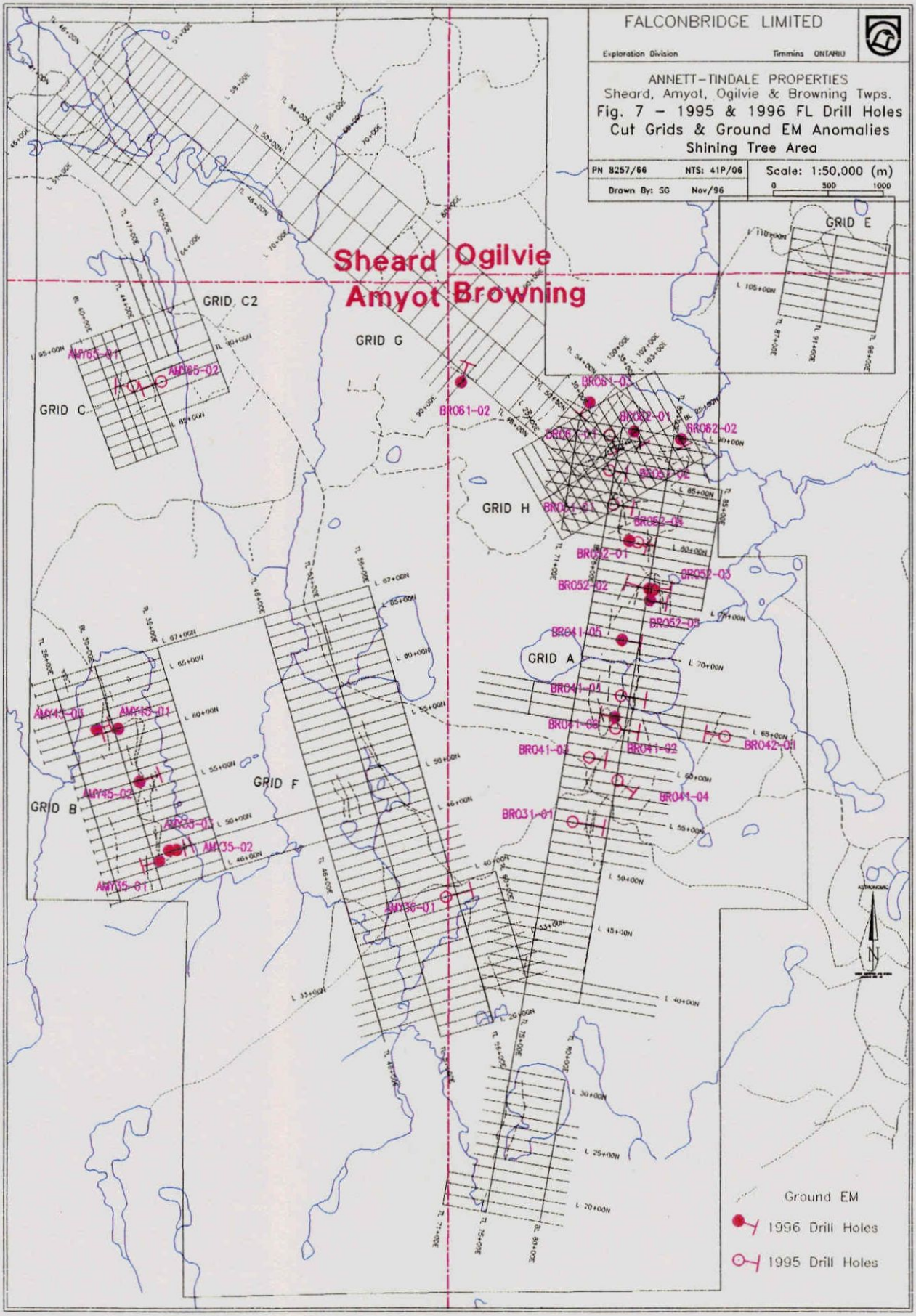
Much of field work done by FALCONBRIDGE during 1995 and 1996 was directed by the results of an airborne EM-MAG survey flown by Questor in 1994. The quality of this survey is poor due to 'noise' produced by erratic flying under poor weather conditions (pers. comm., Tony Watts). Additionally, complex folding and erratic stratigraphy suggest strikes are locally sub-parallel to the flight lines flown in the airborne survey. This would result in poor geophysical coupling with some conductors. Based on this, it is recommended that the next logical step in mineral exploration on the property would be to re-fly the airborne geophysical survey in a north-west or north-south direction so as to achieve better quality and deeper penetrative data.

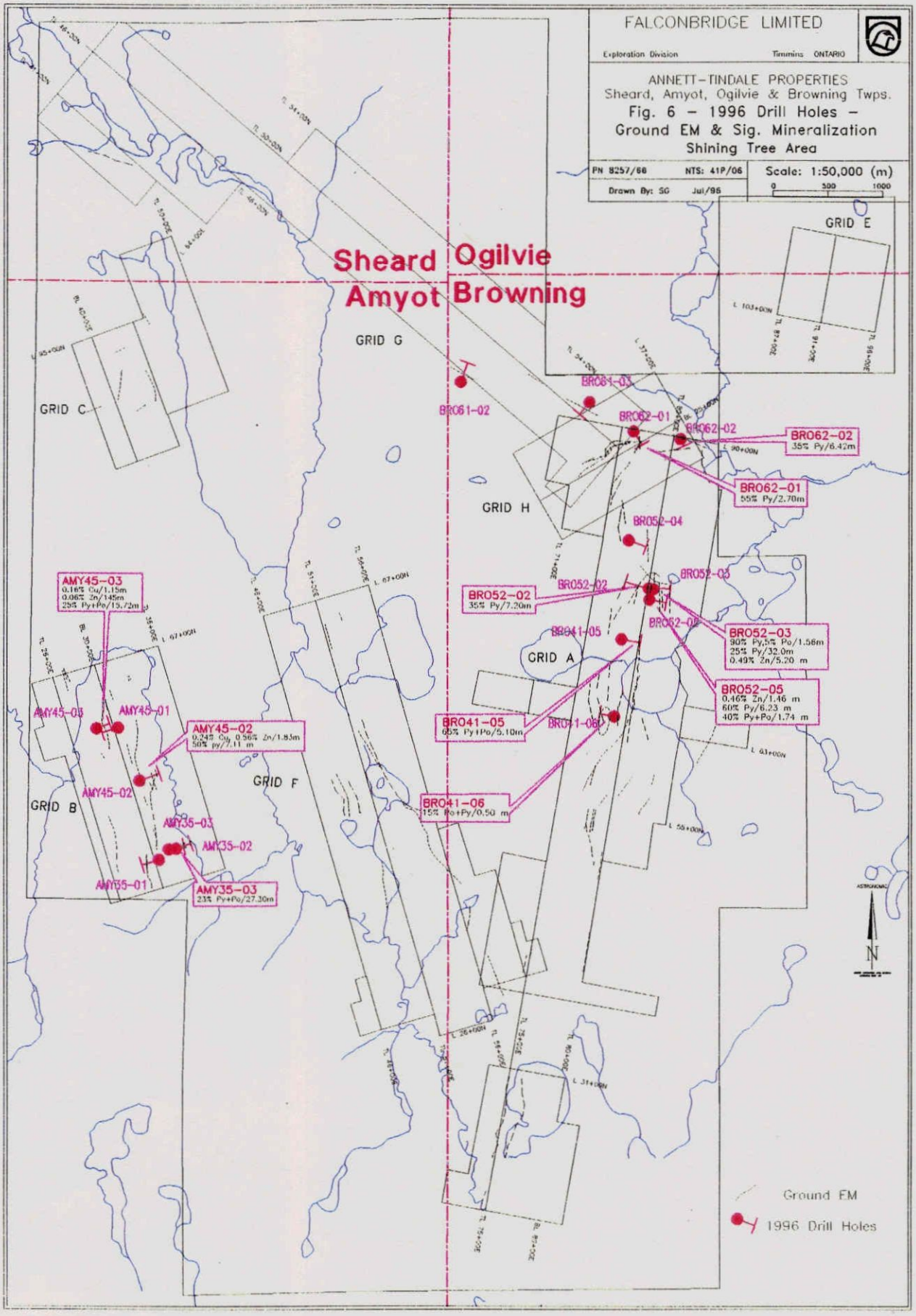
Though the potential of the property to host a large tonnage VMS deposit has been significantly reduced by work done by FALCONBRIDGE over the last 3 years, some potential does exist for a small tonnage VMS and/or Au deposit. Grid F would appear to be the most favourable area on the property to continue mineral exploration. Data is fairly limited here, though the grid does contain a significant intersection of 1% Cu over 1 m and a Cu-Au showing (2.53% Cu, 1056 ppb Au), and weak EM anomalies remain untested. Future exploration is should be directed here.

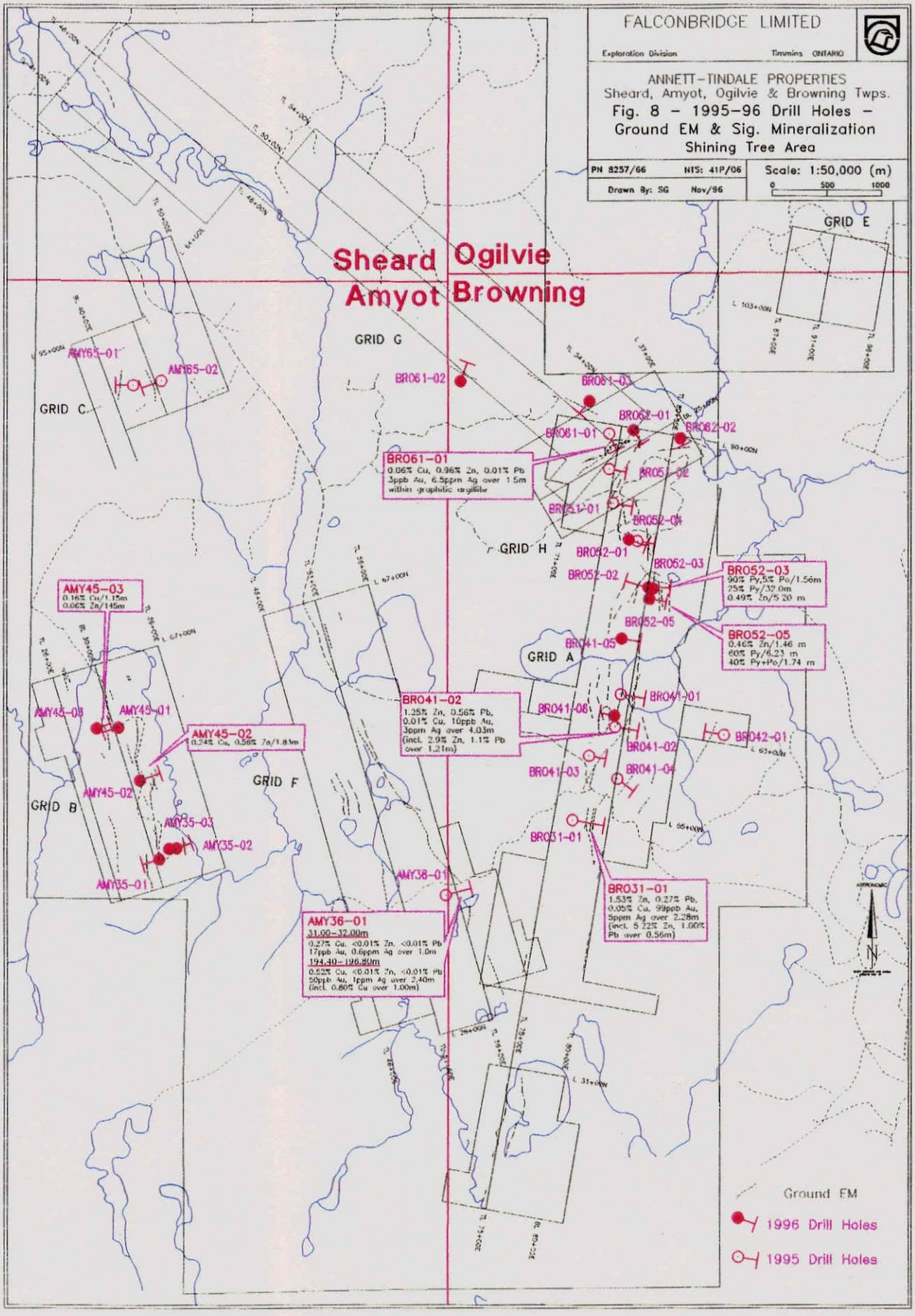
The best mineralization intersected on the property was in BRO52-03. The southern continuation of this mineralization was tested by BRO52-05, with discouraging results. However, the northern continuation of this mineralization remains open and untested, mostly because an east-west trending fault to the north appears to truncate stratigraphy and mineralization. The mineralization in BRO52-03 may continue at greater depth on the other side of the fault and/or be offset to the east or west. The mineralization intersected in BRO52-03 is also untested at depth on the south side of the fault. These potential target areas could be further tested. It should be emphasized, however, the potential of success of further exploration on the property is not high. To date no strong VMS-style alteration or mineralization has been found on the property.

16-30

29a


FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT-TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 7 – 1995 & 1996 FL Drill Holes
Cut Grids & Ground EM Anomalies
Shining Tree Area
PN 8257/66
NTS: 41P/06
Drawn By: SG
Nov/96
Scale: 1:50,000 (m)
0
500
1000
Sheard
Ogilvie
Amyot
Browning
GRID C2
GRID C
GRID G
GRID E
GRID H
GRID A
GRID F
GRID B
AM165-01
AM165-02
BR061-02
BR062-01
BR062-02
BR062-03
BR052-01
BR052-02
BR052-03
BR041-05
BR041-01
BR041-02
BR041-03
BR041-04
BR042-01
BR031-01
AM145-01
AM145-02
AM135-01
AM135-02
AM136-01
Ground EM
1996 Drill Holes
1995 Drill Holes


FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT-TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 6 – 1996 Drill Holes –
Ground EM & Sig. Mineralization
Shining Tree Area
PN 8257/66
NTS: 41P/06
Scale: 1:50,000 (m)
0 500 1000
Drawn By: SG
Jul/96
Sheard
Ogilvie
Amyot
Browning
GRID A
GRID B
GRID C
GRID E
GRID F
GRID G
GRID H
BRO61-02
BRO62-01
BRO62-02
BRO62-02
35% Py/6.42m
BRO62-01
55% Py/2.70m
BRO52-04
BRO52-02
BRO52-03
BRO52-05
BRO52-02
35% Py/7.20m
BRO41-05
BRO52-03
90% Py,5% Po/1.58m
25% Py/32.0m
0.49% Zn/5.20 m
BRO52-05
0.46% Zn/1.46 m
60% Py/6.23 m
40% Py+Po/1.74 m
BRO41-05
65% Py+Po/5.10m
BRO41-06
BRO41-06
15% Po+Py/0.50 m
AMY45-03
0.16% Cu/1.15m
0.06% Zn/145m
25% Py+Po/13.72m
AMY45-01
AMY45-02
0.24% Cu, 0.56% Zn/1.83m
50% py/7.11 m
AMY45-02
AMY35-03
AMY35-02
AMY35-01
AMY35-03
23% Py+Po/27.30m
Ground EM
1996 Drill Holes


FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT-TINDALE PROPERTIES
Sheard, Amyot, Ogilvie & Browning Twps.
Fig. 8 - 1995-96 Drill Holes -
Ground EM & Sig. Mineralization
Shining Tree Area
PN 8257/66
NTS: 41P/06
Drawn By: SG
Nov/96
Scale: 1:50,000 (m)
0
500
1000
Sheard
Ogilvie
Amyot
Browning
GRID A
GRID B
GRID C
GRID E
GRID F
GRID G
GRID H
AMY65-01
AMY65-02
BR061-02
BR061-03
BR062-01
BR061-01
BR062-02
BR061-01
0.06% Cu, 0.96% Zn, 0.01% Pb
3ppb Au, 6.5ppm Ag over 1.5m
within graphitic argillite
BR051-01
BR052-04
BR052-01
BR052-02
BR052-03
BR052-03
90% Py,5% Po/1.56m
25% Py/32.0m
0.49% Zn/5.20 m
BR052-05
BR052-05
0.46% Zn/1.46 m
60% Py/6.23 m
40% Py+Po/1.74 m
BR041-05
AMY45-03
0.16% Cu/1.15m
0.06% Zn/145m
AMY45-03
AMY45-01
AMY45-02
0.24% Cu, 0.56% Zn/1.85m
AMY45-02
AMY35-03
AMY35-02
AMY35-01
BR041-02
1.25% Zn, 0.56% Pb,
0.01% Cu, 10ppb Au,
3ppm Ag over 4.03m
(incl. 2.9% Zn, 1.1% Pb
over 1.21m)
BR041-01
BR041-06
BR042-01
BR041-02
BR041-03
BR041-04
BR031-01
AMY38-01
BR031-01
1.53% Zn, 0.27% Pb,
0.05% Cu, 99ppb Au,
5ppm Ag over 2.28m
(incl. 5.22% Zn, 1.00%
Pb over 0.56m)
AMY36-01
31.00-32.00m
0.27% Cu, <0.01% Zn, <0.01% Pb
17ppb Au, 0.6ppm Ag over 1.0m
194.40-196.80m
0.52% Cu, <0.01% Zn, <0.01% Pb
50ppb Au, 1ppm Ag over 2.40m
(incl. 0.80% Cu over 1.00m)
N
Ground EM
1996 Drill Holes
1995 Drill Holes

LIST OF REFERENCES

Ishikawa, Y. and Yanagisawa, Y., 1974. Geology of the Ainai mine, with special reference to syngenetic origin of the Daikoku deposits. Soc. Min. Geol. Jpn., Spec. Iss., 6: 79-88.

Keith, S.B., 1987. Magmachem. Magma Series and Mineral Deposits. Unpublished Course Notes.

Rogers, D. and Gibbins, S., 1995. Annett-Tindale Property 1995 Mapping and Diamond Drilling Programs Sheard, Amyot, Ogilvie, and Browning Twps. Falconbridge Ltd. Internal Report.

Appendix A - Falconbridge Exploration Rock Legend

LEGEND

Geology

MAJOR ROCK DIVISIONS

15	TO BE ANNOUNCED
14	HURONIAN SUPERGROUP
13	METAMORPHIC (Unknown)
12	GNEISS
11	SCHIST
10	DIABASE
9	FELSIC INTRUSIVE ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS
5	SEDIMENTARY ROCKS
5,s	SULPHIDE (>40%)
4	FELSIC VOLCANIC ROCKS
3	INTERMEDIATE VOLCANIC ROCKS
3,C	HETEROLITHIC VOLCANIC ROCKS
2	MAFIC VOLCANIC ROCKS
1	ULTRAMAFIC VOLCANIC ROCKS

TEXTURAL/GEOCHEMICAL MODIFIERS

a	Fine Grained
b	Medium Grained
bx	Breccia
c	Coarse Grained
d	Quartz-Feldspar Phyric
e	Amygdaloidal/Vesicular
f	Primary Fragmentals
g	Graphitic/Argillaceous
h	Tholeiitic
i	Alkalic
j	Calc-Alkalic
k	Komatiitic
l	Flows
m	Massive
n	Variolitic/Spherulitic
p	Pillowed
q	Quartz Phyric
r	Oxide Iron Formation
s	Sulphides, Exhalites
t	Pyroclastic
u	High Mg
v	High Fe
w	High Al
x	Andesite
y	Icelandite
z	Highly Evolved (Y>60)

A	Primitive (Y<20)
B	Evolved (Y>20<60)
C	Heterolithic
D	Feldspar Phyric
E	Chert
F	Wacke
G	Leucoxene Bearing
H	Basaltic Komatiite
I	
J	Pyroxenite
K	Net Textured
L	Peridotite
M	Dunite
N	Ophitic
P	Porphyritic
Q	
R	Polysutured
S	Fractured
T	Gabbroic Textured
U	Pyroxene Spinifex
V	Olivine Spinifex
W	Skeletal/Crescumulate
X	Adcumulate
Y	Mesocumulate
Z	Orthocumulate

MINERALOGICAL NAMES

Ak	Actinolite
Alb	Albite
Al	Almandine
Am	Amphibolite
Ah	Anhydrite
Ad	Andalusite
Ay	Anthophyllite
Ap	Apatite
Ar	Argentite
Asp	Arsenopyrite
Asb	Asbestos
Aug	Augite
Az	Azurite
Ba	Barite
Bi	Bismuthite
Bi	Biotite
Bo	Bornite
Ca	Calcite
Cn	Chalcedony
Cc	Chalcocite
Cp	Chalcopyrite
Chl	Chlorite
Ch>	Chloritoid
Cr	Chromite
Cpx	Clinopyroxene
Co	Cobalt Minerals
Cv	Covellite
Ct	Cordierite
Dp	Diopside
Dol	Dolomite
Epi	Epidote
Fel	Feldspar
Fl	Fluorite
Fc	Fuchsite
Gn	Galena
Gt	Garnet
VG	Gold
Gf	Graphite
GS	Gravel & Sand
Gyp	Gypsum
Hem	Hematite
Hb	Hornblende
Hy	Hypersthene
Il	Ilmenite
I-F	Iron Formation
Jr	Jarosite
Ky	Kyanite
ls	Limestone
Lm	Limonite
Mag	Magnetite
Mc	Malachite
Ma	Marcasite
Mi	Mica
Mk	Microcline
Mi	Millerite
Mo	Molybdenite
Mu	Muscovite
Ne	Nepheline
Nc	Niccolite
Ni	Nickel Minerals
Ov	Olivine
Or	Orthoclase
Opx	Orthopyroxene
Pl	Phlogopite
Pg	Plagioclase
Pn	Pentlandite
Py	Pyrite
Px	Pyroxene
Po	Pyrrhotite
Qt	Quartz
Ro	Rhodochrosite
Ru	Rutile
Sur	Serpentine
Sc	Sericite
Sh	Scheelite
Sid	Siderite
Sil	Silica
Slm	Silliminite
Sps	Spessarite
Sph	Sphalerite
Ti	Sphene (Titanite)
Ag	Silver
Sp	Spinel
Spd	Spodumene
St	Staurolite
Sb	Stibnite
Sul	Sulphides
S-M	Mass. Sulphides
S-D	Diss. Sulphides
Tk	Talc
Te	Telluride
Tt	Tertrahedrite
Ta-Cl	Tantalite-Columbite
Tl	Tourmaline
Tr	Tremolite
Wo	Wollastonite
Zr	Zircon

ALTERATION MODIFIERS

<Ab>	Albitization
<Bl>	*Bleached*
<C>>	Carbonaceous
<Cb>	Carbonatization
<Ch>	Chloritization
<Ep>	Epidotization
<FCb>	Iron Carbonatization
<He>	Hematization
<K>>	*Potassic Alteration*
<Rs>	Rust Stained
<Se>	Sericitization
<Si>	Silicification
<Sr>	Serpentinization
<Tc>	Talc-Carbonatized
<Tk>	Talc

TEXTURAL/STRUCTURAL MODIFIERS

*a	Tuff(67%<2mm)
*b	*Lapilli*(2-64mm)
*c	Lapillistone(76%<264mm)
*d	Block(>64mm)
*e	Autoclastic
*f	Thickly Laminated
*g	Thinly Laminated
*h	Clast Supported
*i	*Matrix Supported*
*j	Granule(grit 2-4mm)
*k	Pebble(4-64mm)
*l	Cobble(64-256mm)
*m	Boulder(>256mm)
*n	Graded Bedding
*o	Cross Bedding
*p	Fault Gouge
*q	Augen
*r	Porphyroblastic
*s	Hornfels
*t	foliated/sheared
*u	folded
*v	boudinage
*w	fragmental(felsic>mafic)
*x	fragmental(mafic>felsic)
*y	Crystal Tuff(>50% of frags)
*z	Lithic Tuff(>50% of frags)

ROCK TYPE

<QFP>	Quartzofeldspathic
<QTZ>	Quartzite
<MAR>	Marble
<SKA>	Skarn(Calc-Silicate)
<PHY>	Phyllite
<TON>	Tonalite
<SYN>	Syenite
<GRA>	Granite
<MON>	Monzonite
<GRD>	Granodorite
<APL>	Aplite
<FEL>	Felsite
<QDI>	Quartz Diorite
<GAB>	Gabbro
<NOR>	Norite
<ANT>	Anorthosite
<DIO>	Diorite
<PER>	Peridotite
<SER>	Serpentinite
<DUN>	Dunite
<PRX>	Pyroxenite
<LMP>	Lamprophyre
<SST>	Sandstone
<ARK>	Arkosic sandstone
<WCK>	Graywacke
<CGL>	Conglomerate
<STL>	Siltstone
<ARG>	Mudstone-argillite
<EXH>	Chert/exhalite
<OIF>	Silicate IF
<OIF>	Oxide IF
<SIF>	Sulphide IF
<CIF>	Carbonate IF
<SHA>	Shale
<LST>	Limestone
<CHM>	Chem. Precip.
<SLA>	Slate
<KIM>	Kimberlite
<CAR>	Carbonate
<AMP>	Amphibolite
<MIG>	Migmatite
<PEG>	Pegmatite
<LEU>	Leucocratic
<MEL>	Melanocratic
<UNK>	Unknown Protolith
<UMF>	Ultramafic
<MAF>	Mafic
<AND>	Andesite
<DAC>	Dacite
<RYD>	Rhyodacite
<RHY>	Rhyolite
<SCL>	Sulphide Clasts
<RWV>	Reworked Volcanic Debris

1. MAIN ROCK DIVISIONS

15	To be Announced
14	Huronian Supergroup
13	Metamorphic (Unknown)
12	Gneiss
11	Schist
10	Diabase
9	Felsic Intrusive
8	Intermediate Intr. Rocks
7	Mafic Intrusive Rocks
6	Ultramafic Intr. Rocks
5	Sedimentary Rocks
5,s	Sulphide (>40%)
4	Felsic Volcanic Rocks
3	Intermediate Volcanic Rocks
3,C	Heterolithic Volcanic Rocks
2	Mafic Volcanic rocks
1	Ultramafic Volcanic Rocks

2. TEXTURAL/GEOCHEMICAL MODIFIERS

a	Fine Grained	A	Primitive (Y<20)
b	Medium Grained	B	Evolved (Y>20<60)
bx	Breccia		
c	Coarse Grained	C	Heterolithic
d	Quartz-Feldspar Phyric	D	Feldspar Phyric
e	Amygdaloidal/Vesicular	E	Chert
f	Primary Fragmentals	F	Wacke
g	Graphitic/Argillaceous	G	Leucoxene Bearing
h	Tholeiitic	H	Basaltic Komatiite
i	Alkalic		
j	Calc-Alkalic	J	Pyroxenite
k	Komatiitic	K	Net Textured
l	Flows (banded)	L	Peridotite
m	Massive	M	Dunite
n	Variolitic/Spherulitic	N	Ophitic
p	Pillowed	P	Porphyritic
q	Quartz Phyric	Q	
r	Oxide Iron Formation	R	Polysutured
s	Sulphides, Exhallites	S	Fractured
t	Pyroclastic	T	Gabbroic Textured
u	High Mg	U	Pyroxene Spinifex
v	High Fe	V	Olivine Spinifex
w	High Al	W	Skeletal/Crescumulate
x	Andesite	X	Adcumulate
y	Icelandite	Y	Mesocumulate
z	Highly Evolved (Y>60)	Z	Orthocumulate

ROCK NAMES MUST HAVE ALL MODIFIERS COMMA DELIMITED AND CAN BE NO LONGER THAN 15 CHARACTERS, COMMAS INCLUDED.
Example: 3,*y,d,<DAC>,*t

3. ALTERATION MODIFIERS

Ab	Albitization
Bl	Bleached
C>	Carbonaceous
Cb	Carbonatization
Ch	Chloritization
Ep	Epidotization
F>	Iron Carbonatization
He	Hematization
K>	Potassic Alteration
Rs	Rust Stained
Se	Sericitization
Si	Silicification
Sr	Serpentinization
Tc	Talc-Carbonatization
Tk	Talc

4. Textural./Structural MODIFIERS

*a	Tuff (67% <2mm)	*n	Graded Bedding
*b	Lapilli Tuff (2-64mm)	*o	Cross bedding
*c	Lapillistone (76% <264mm)	*p	Fault Gouge
*d	Block (>64mm)/Xenolith	*q	Augen
*e	Autoclastic/Hyaloclastic	*r	Porphyroblastic
*f	Thickly Laminated	*s	Hornfels
*g	Thinly Laminated	*t	foliated/sheared
*h	Clast Supported	*u	folded
*i	Matrix Supported	*v	boudinage
*j	Granule (grit 2-4mm)	*w	fragmental (felsic>mafic)
*k	Pebble (4-64mm)	*x	fragmental (mafic>felsic)
*l	Cobble (64-256mm)	*y	Crystal Tuff (>50% of frags)
*m	Boulder (>256)	*z	Lithic Tuff (>50% of frags)

ALTERATION CODES

FORM

S	Spots
F	Fracture/vein controlled
P	Pervasive

STRENGTH

S	Strong
M	Moderate
W	Weak

Example: EpPW = Epidote,Pervasive,We

MINERALIZATION CODES

FORM

D	Disseminated/Blebs
F	Fracture/vein controlled
M	Massive
B	Bedded
C	Clasts/Fragments

PERCENTAGE

Numeric pecentage, or percentage range (i.e. 1-3%), must always be specified

Example: CpB3% = Chalcopyrite, Bedded, 3%

5. MINERALOGICAL NAMES

Ak	Actinolite	Fc	Fuchsite	Pn	Pentlandite
Alb	Albite	Gn	Galena	Py	Pyrite
Al	Almandine	Gt	Garnet	Px	Pyroxene
Am	Amphibolite	VG	Gold	Po	Pyrrhotite
Ah	Anhydrite	Gf	Graphite	Qt	Quartz
Ad	Andalusite	GS	Gravel & sand	Ro	Rhodochrosite
Ay	Anthophyllite	Gyp	Gypsum	Ru	Rutile
Ap	Apatite	Hem	Hematite	Sur	Serpentine
Ar	Argentite	Hb	Hornblende	Sc	Sericite
Asp	Arsenopyrite	Hy	Hypersthene	Sh	Scheelite
Asb	Asbestos	Il	Ilmenite	Sid	Siderite
Aug	Augite	I-F	Iron Formation	Sil	Silica
Az	Azurite	Jr	Jarosite	Slm	Silliminite
Ba	Barite	Ky	Kyanite	Sps	Spessarite
bi	Bismuthite	Ls	Limestone	Sph	Sphalerite
Bi	Biotite	Lm	Limonite	Ti	Sphene (Titanite)
Bo	Bornite	Mag	Magnetite	Ag	Silver
Ca	Calcite	Mc	Malachite	Sp	Spinel
Cn	Chalcedony	Ma	Marcasite	Spd	Spodumene
Cc	Chalcocite	Mi	Mica	St	Staurolite
Cp	Chalcopyrite	Mk	Microcline	Sb	Stibnite
Chl	Chlorite	Mi	Millerite	Sul	Sulphides
Ch>	Chloritoid	Mo	Molybdenite	S-M	Mass.Sulphides
Cr	Chromite	Mu	Muscovite	S-D	Diss.Sulphides
Cpx	Clinopyroxene	Ne	Nepheline	Tk	Talc
Co	Cobalt Minerals	Nc	Niccolite	Te	Telluride
Cv	Covellite	Ni	Nickel minerals	Tt	Tertrahedrite
Ct	Cordierite	Ov	Olivine	Ta-Cl	Tantalite-Columbite
Dp	Diopside	Or	Orthoclase	Tl	Tourmaline
Dol	Dolomite	Opx	Orthopyroxene	Tr	Tremolite
Epi	Epidote	Pl	Phlogopite	Wo	Wollastonite
Fel	Feldspar	Pg	Plagioclase	Zr	Zircon
Fl	Fluorite				

6. ROCK TYPE / PROTOLITH

<QFG>	Quartzofeldspathic	<PER>	Peridotite	<CHM>	Chem. Precip.
<QTZ>	Quartzite	<SER>	Serpentinite	<SLA>	Slate
<MAR>	Marble	<DUN>	Dunite	<KIM>	Kimberlite
<SKA>	Skarn(Calc-Silicate)	<PRX>	Pyroxenite	<CAR>	Carbonatite
<PHY>	Phyllite	<LMP>	Lamprophyre	<AMP>	Amphibolite
<TON>	Tonalite	<SST>	Sandstone	<MIG>	Migmatite
<SYN>	Syenite	<ARK>	Arkosic sandstone	<PEG>	Pegmatite
<GRA>	Granite	<WCK>	Graywacke	<LEU>	Leucocratic
<MON>	Monzonite	<CGL>	Conglomerate	<MEL>	Melanocratic
<GRD>	Granodiorite	<SLT>	Siltstone	<UNK>	Unknown Protolith
<APL>	Aplite	<ARG>	Mudstone-argillite	<UMF>	Ultramafic
<FEL>	Felsite	<EXH>	Chert/exhalite	<MAF>	Mafic
<QDI>	Quartz Diorite	<QIF>	Silicate IF	<AND>	Andesite
<GAB>	Gabbro	<OIF>	Oxide IF	<DAC>	Dacite
<NOR>	Norite	<SIF>	Sulphide IF	<RYD>	Rhyodacite
<ANT>	Anorthosite	<CIF>	Carbonate IF	<RHY>	Rhyolite
<DIO>	Diorite	<SHA>	Shale	<SCL>	Sulphide Clasts
		<LST>	Limestone	<RWV>	Reworked Volcanic Debris

Appendix B - Annett-Tindale Property Claims

ANNETT-TINDALE CLAIMS (PN's 8257/8266)

Project Name	Claim #	# of Units	Township(s)	Anniversary
8257	1185494	16	S	Aug. 21
(AT-Option)	1185495	16	S	Sept. 16
	1185496	16	S,A	Sept. 16
	1185497	8	S,A	Sept. 16
	1185498	8	S,A	Nov. 9
	1185499	16	A	Nov. 9
	1185500	16	A	Nov. 9
	1185501	16	A	Nov. 9
	1185502	16	A	Nov. 9
	1185503	16	A	Nov. 9
	1191296	16	S,O	Nov. 9
	1191297	16	S,O,A,B	Nov. 9
	1191298	16	A,B	Nov. 9
	1191299	16	B	Nov. 9
	1191300	16	A,B	Nov. 9
	1191301	16	B	Nov. 9
	1190302	16	A	Nov. 9
	1191303	16	A,B	Nov. 9
	1190304	16	B	Nov. 9
	1191305	16	A	Nov. 9
	1191306	16	A,B	Nov. 9
	1191307	16	A	Nov. 9
	1191308	16	A,B	Nov. 9
8266	1223252	16	O,B	Mar. 29
(AT-Extension)	1223255	8	B	Feb. 22
	1223256	8	B	Feb. 22
	1223257	16	B	Feb. 22
	1223258	16	B	Feb. 22

S = Sheard Twp.
O = Ogilvie Twp.
A = Amyot Twp.
B = Browning Twp.

Appendix C - Grid Cooridinates, UTM Equivalents and Grid Orientations

Appendix C - Grid Coordinate/UTM Equivalents and Grid Orientations

Grid Name	Grid Co-ordinates		UTM Co-ordinates		Grid Orientation		Line Lengths (km)		
	East	North	Easting	Northing	Grid North (°)	Grid East (°)	Tie Lines	Lines	Total
Grid A	75+00E	65+00N	485952.49mE	5246488.65mN	010	100	16.70	76.65	93.35
Grid B	30+00E	60+00N	481761.90mE	5246110.96mN	343	073	6.30	25.40	31.70
Grid C	40+00E	89+00N	481732.50mE	5249206.98mN	339	069	9.30	13.30	22.60
Grid E	91+00E	107+00N	488261.16mE	5250302.46mN	010	100	2.40	8.10	10.50
Grid F	51+00E	50+00N	484045.94mE	5245740.34mN	344	074	13.20	51.40	64.60
Grid G	90+00E	50+00N	485138.78mE	5249796.65mN	041	131	18.65	38.20	56.85
Grid H	25+00E	25+00N	485885.73mE	5248427.39mN	330.0	150.0	4.50	14.40	18.90

Total	298.50

Appendix D - DDH Locations/Orientation Summary

APPENDIX - Diamond Drill Hole Location/Orientation Summary

HOLE #	GRID	GRID COORD (m)		UTM COORD (m)		COLLAR			TOTAL DEPTH (m)	OF DEPTH (m)	TARGET
		(NW)	(SW)	(NW)	(SW)	AZ (°)	DIP (°)	ELEV (m)			
BRO61-02	G	45+15	91+00	5249364	484897	20	-50	400	264	25	weak AEM and Max Min anomaly
BRO61-03	G	51+50	101+00	5249184	486076	220	-55	400	272	42	weak AEM and moderate Max Min
AMY45-01	B	61+00	31+38	5246218	481769	253	-50	381	230	4	south half of a moderate deep Max Min
AMY35-01	B	48+50	30+45	5245024	482141	253	-50	381	236	12	Strong, deep (+80) Max Min conductor
AMY35-02	B	49+00	32+25	5245125	482299	70	-57	381	248	3	60 m deep strong Max Min conductor
AMY45-02	B	55+85	30+85	5245739	481965	70	-50	383	281	6	multiple Max Min conductors
AMY45-03	B	61+50	28+47	5246210	481572	70	-53	383	152	6	off-hole anomaly in AMY45-01
AMY35-03	B	49+15	31+60	5245120	482232	80	-57	383	224	6	geophysical anomaly in AMY35-02
BRO62-01	A	89+85	76+00	5248919	486482	148	-52	400	233	24	along strike of BRO61-01
BRO41-05	A	71+00	78+20	5247024	486372	100	-47	400	257	93	2 TEM anomalies 100m deep
BRO52-02	A	76+00	80+30	5247480	486665	280	-47	400	392	56	east dipping TEM anomaly at >80m
BRO52-03	A	76+00	79+85	5247488	486621	89	-52	400	332	54	2 TEM anomalies 120m deep
BRO52-04	A	80+00	77+30	5247926	486439	110	-50	400	260	21	off-hole anomaly below BRO52-01
BRO62-02	H	23+50	36+00	5248847	486913	155	-60	400	147	30	moderate TEM anomaly 100m deep
BRO52-05	A	75+00	80+10	5247385	486628	100	-54	400	243	64.66	off-hole anomaly in BRO52-03
BRO41-06	A	64+00	78+70	5246325	486304	280	-65	400	276	25.5	off-hole anomaly in BRO41-02
TOTAL									**4047**	**472.16**	
AVERAGE									**252.94**	**29.51**	

Appendix E - 1996 Annett-Tindale Property Whole Rock and Assay Data

HOLE	SAMPLE	FROM	TO	UTM E	UTM N	FIELD	CU	ZN	PB	NI	AU	AG	
		(m)	(m)	(mE)	(mN)	NAME	ppm	ppm	ppm	ppm	ppb	ppm	
BRO52-02	AT02089	237.90	239.26	486509	5247516	4,a,*a	4	48	1	11	3		
BRO52-02	AT02090	239.26	240.00	486508	5247516	4,a,*a	86	67	7	37	31		
BRO52-03	AT02091	54.30	54.82	486654	5247489	2,a,*a	30	40	1	12	17		
BRO52-03	AT02092	91.65	92.90	486676	5247489	2,a,*a	56	93	10	60	17	1	
BRO52-03	AT02093	92.90	94.47	486677	5247489	4,a,*a	10	72	1	17	1		
BRO52-03	AT02094	94.47	95.25	486678	5247489	2,a,*a	66	337	10	90	34	1	
BRO52-03	AT02095	95.25	96.88	486678	5247489	2,a,*a	115	311	9	100	5		
BRO52-03	AT02096	122.40	123.70	486694	5247489	2,a,*a	47	242	1	13	7		
BRO52-03	AT02097	123.70	125.00	486695	5247489	4,a,*a	23	94	3	14	7		
BRO52-03	AT02098	125.00	126.40	486696	5247489	2,a,*a	17	112	3	14	7		
BRO52-03	AT02099	126.40	127.60	486696	5247489	4,a,*a	61	62	26	13	41	1	
BRO52-03	AT02100	127.60	128.00	486697	5247489	Qtz	64	61	5	15	14		
BRO52-03	AT01901	128.00	129.50	486698	5247489	4,b,q,*a	51	132	13	26	38		
BRO52-03	AT01902	129.50	131.00	486698	5247489	4,b,q,*a	25	520	9	21	1		
BRO52-03	AT01903	131.00	132.50	486699	5247489	4,b,q,*a	36	750	12	24	3		
BRO52-03	AT01904	132.50	134.00	486700	5247489	4,b,q,*a	31	692	7	13	10		
BRO52-03	AT01905	134.00	135.50	486701	5247489	4,b,q,*a	29	74	4	16	17		
BRO52-03	AT01906	135.50	137.00	486702	5247489	4,b,q,*a	20	47	5	18	1		
BRO52-03	AT01907	137.00	138.50	486703	5247489	4,b,q,*a	28	64	13	27	7		
BRO52-03	AT01908	138.50	140.00	486704	5247489	4,b,q,*a	26	58	12	23	1		
BRO52-03	AT01909	140.00	141.50	486705	5247489	4,b,q,*a	32	53	11	22	3		
BRO52-03	AT01910	141.50	143.00	486705	5247489	4,b,q,*a	27	34	11	25	34		
BRO52-03	AT01911	143.00	144.50	486706	5247489	4,b,q,*a	22	45	6	22	7		
BRO52-03	AT01912	144.50	146.00	486707	5247489	4,b,q,*a	18	34	7	19	1		
BRO52-03	AT01913	146.00	147.50	486708	5247489	4,b,q,*a	33	28	26	22	7		
BRO52-03	AT01914	147.50	149.00	486709	5247489	4,b,q,*a	25	28	18	26	3		
BRO52-03	AT01915	149.00	150.50	486710	5247489	4,b,q,*a	39	31	31	28	14	1	
BRO52-03	AT01916	150.50	152.00	486711	5247489	4,b,q,*a	26	34	13	25	3		
BRO52-03	AT01917	152.00	153.50	486712	5247489	4,b,q,*a	29	30	19	29	1		
BRO52-03	AT01918	153.50	155.00	486712	5247489	4,b,q,*a	34	33	25	27	3		
BRO52-03	AT01919	155.00	156.50	486713	5247489	4,b,q,*a	23	40	10	28	1		
BRO52-03	AT01920	156.50	158.00	486714	5247489	4,b,q,*a	35	33	2	16	7		
BRO52-03	AT01921	158.00	159.50	486715	5247489	4,b,q,*a	26	45	16	25	21		
BRO52-03	AT01922	159.50	161.00	486716	5247489	4,b,q,*a	11	44	8	10	14		
BRO52-03	AT01923	180.30	181.83	486728	5247489	4,*a,<RVW>	1010	6610	2460	88	151	4	1.53
BRO52-03	AT01924	181.83	183.00	486729	5247489	4,*a,<RVW>	77	56	175	18	10	1	1.19
BRO52-03	AT01925	183.00	184.46	486730	5247489	4,a,*a,<RWV>	261	4210	4920	75	51	3	1.56
BRO52-03	AT01926	184.46	185.50	486731	5247489	2,a,bx,m	127	8900	2900	62	7	1	1.54
BRO52-04	AT01927	157.00	158.60	486534	5247891	3,c,bx,f,*e	28	51	1	10	1		—
BRO52-04	AT01928	158.60	159.70	486535	5247891	3,c,bx,f,*e	197	83	3	35	1		
BRO52-04	AT01929	159.70	161.00	486536	5247891	3,c,bx,f,*e	121	718	12	98	1		
BRO52-04	AT01930	161.00	162.30	486536	5247891	3,c,bx,f,*e	157	308	41	117	1		
BRO52-04	AT01931	162.30	163.60	486537	5247890	3,cc,bx,f,*e	123	278	1	125	1		
BRO52-04	AT01932	163.60	164.86	486538	5247890	3,c,bx,f,*e	252	335	1	139	1		
BRO52-05	AT07055	88.10	89.00	486682	5247375	2,l,*a	133	110	32	16	10	1	
BRO52-05	AT07056	89.00	90.00	486683	5247375	2,l,*a	244	56	21	19	7	1	
BRO52-05	AT07057	90.00	90.70	486683	5247375	2,l,*a	179	44	24	17	3	1	
BRO52-05	AT07058	90.70	91.50	486684	5247375	2,l,*a	248	51	22	20	1	1	
BRO52-05	AT07059	91.50	92.75	486685	5247375	3,*a,*i,<RWV>	27	95	9	32	1		
BRO52-05	AT07060	92.75	94.00	486685	5247375	2,*a,*i,<RWV>	52	91	19	21	1	1	
BRO52-05	AT07061	94.00	95.00	486686	5247375	2,*a,*i,<RWV>	54	100	14	26	1	1	
BRO52-05	AT07062	123.59	125.09	486705	5247371	3,e,l	84	54	22	69	10	1	
BRO52-05	AT07063	125.09	126.55	486706	5247371	3,e,l	172	4560	1380	54	7	1	
BRO52-05	AT07064	129.80	130.53	486709	5247371	3,m,*a,<RWV>	364	222	10	73	3	1	
BRO52-05	AT07065	130.53	131.14	486709	5247371	3,m,*a,<RWV>	55	219	17	103	7		
BRO52-05	AT07066	131.14	132.00	486710	5247371	3,m,*a,<RWV>	153	181	4	59	1	1	
BRO52-05	AT07067	165.23	166.51	486732	5247367	3,bx,f,*a	18	756	355	16	1	1	

HOLE	SAMPLE	FROM	TO	UTM E	UTM N	FIELD	CU	ZN	PB	NI	AU	AG
		(m)	(m)	(mE)	(mN)	NAME	ppm	ppm	ppm	ppm	ppb	ppm
AMY35-03	AT02025	165.20	166.30	482331	5245137	4,q,*a	176	29	7	12	1	
AMY35-03	AT02026	166.30	167.66	482332	5245138	4,q,*a	239	221	79	17	1	
AMY35-03	AT02027	167.66	168.20	482332	5245138	4,q,*a	833	63	56	62	1	1
AMY35-03	AT02028	168.20	169.70	482333	5245138	4,q,*a	62	28	8	18	1	
AMY35-03	AT02029	169.70	170.70	482334	5245138	4,q,*a	418	59	5	42	1	
AMY35-03	AT02030	170.70	171.80	482335	5245138	4,q,*a	273	87	12	36	1	
AMY35-03	AT02031	171.80	173.40	482335	5245138	4,q,*a	102	145	6	67	1	
AMY35-03	AT02032	173.40	175.00	482337	5245138	4,q,*a	255	56	15	36	1	
AMY35-03	AT02033	175.00	176.00	482337	5245139	4,q,*a	147	35	14	28	1	
AMY35-03	AT02034	176.00	177.50	482338	5245139	4,q,*a	64	92	4	23	1	
AMY35-03	AT02035	177.50	179.00	482339	5245139	4,q,*a	81	167	3	24	1	
AMY35-03	AT02036	179.00	180.50	482340	5245139	4,q,*a	109	59	4	20	1	
AMY35-03	AT02037	180.50	182.00	482341	5245139	4,*a,<EXH>	144	145	63	23	1	
AMY35-03	AT02038	182.00	183.50	482342	5245139	4,q,*a	62	137	77	23	3	
AMY35-03	AT02039	183.50	185.00	482343	5245140	4,q,*a	75	218	6	15	1	
AMY35-03	AT02040	185.00	186.50	482344	5245140	4,q,*a	157	283	8	26	1	
AMY35-03	AT02041	186.50	188.00	482345	5245140	4,q,*a	228	227	15	25	1	
AMY35-03	AT02042	188.00	189.50	482346	5245140	4,q,*a	234	133	160	16	3	
AMY35-03	AT02043	189.50	191.00	482347	5245140	4,q,*a	446	159	5	22	1	
AMY35-03	AT02044	191.00	192.20	482348	5245140	4,q,*a	169	147	18	25	1	
AMY45-02	AT02001	36.52	38.35	481987	5245747	4,a,e,m,q	2430	5580	704	76	346	61
AMY45-02	AT02002	141.00	142.60	482052	5245771	4,bx,*b,<RHY>	87	50	2	25	27	
AMY45-02	AT02003	144.50	146.70	482054	5245772	4,a,*a,<RHY>	74	44	1	49	1	
AMY45-02	AT02004	146.70	149.00	482056	5245772	4,bx	54	51	2	66	34	
AMY45-02	AT02005	149.00	151.20	482057	5245773	4,bx	24	116	17	17	1	
AMY45-02	AT02006	161.80	162.90	482065	5245775	4,bx	63	32	9	24	38	
AMY45-02	AT02007	171.29	173.10	482072	5245778	4,bx	45	22	9	26	1	
AMY45-02	AT02008	173.10	175.50	482073	5245778	4,bx	44	37	21	23	3	
AMY45-02	AT02009	175.50	177.30	482074	5245779	4,bx	92	89	28	27	17	1
AMY45-02	AT02010	177.30	179.30	482076	5245779	4,bx	14	16	2	14	1	
AMY45-02	AT02011	179.30	181.60	482077	5245780	4,bx	261	23	11	33	1	
AMY45-02	AT02012	181.60	182.80	482078	5245780	4,bx	247	123	66	40	1	
AMY45-03	AT02013	47.80	49.30	481600	5246220	4,a,*a,<EXH>	1550	50	1	34	1	1
AMY45-03	AT02014	49.30	50.10	481601	5246220	7,a,m	142	190	1	61	1	
AMY45-03	AT02015	50.10	51.20	481601	5246221	4,a,*a,<EXH>	203	64	2	28	1	
AMY45-03	AT02016	51.20	53.00	481602	5246221	4,a,*a,<EXH>	444	22	1	28	1	
AMY45-03	AT02017	53.00	54.40	481603	5246221	4,a,*a,<EXH>	160	290	12	33	1	
AMY45-03	AT02018	54.40	55.85	481604	5246222	4,a,*a,<EXH>	108	602	54	21	1	
AMY45-03	AT02019	98.90	99.32	481631	5246231	4,a,*a	346	51	5	27	1	
AMY45-03	AT02020	108.70	110.00	481637	5246234	4,f,*a	201	158	4	29	1	
AMY45-03	AT02021	110.00	112.00	481638	5246234	4,*a,f	383	184	1	47	3	
AMY45-03	AT02022	112.00	113.00	481639	5246235	4,*a,f	297	476	2	40	1	
AMY45-03	AT02023	113.00	113.80	481640	5246235	4,*a,f	207	53	4	14	1	
AMY45-03	AT02024	113.80	115.00	481641	5246235	4,*a,f	105	56	1	29	1	
BRO41-06	AT07081	189.87	191.48	486219	5246340	4,a,m,q	25	37	1	14	3	
BRO52-02	AT02077	177.56	179.00	486548	5247505	2,a,*a	48	96	5	17	10	
BRO52-02	AT02078	179.00	180.50	486547	5247506	2,a,*a	41	91	1	13	1	
BRO52-02	AT02079	180.50	182.00	486546	5247506	2,a,*a	75	98	3	15	1	
BRO52-02	AT02080	182.00	183.50	486545	5247506	2,a,*a	61	83	2	11	17	
BRO52-02	AT02081	183.50	185.00	486544	5247506	2,a,*a	60	85	4	15	1	
BRO52-02	AT02082	185.00	186.50	486543	5247507	2,a,*a	40	72	7	12	1	
BRO52-02	AT02083	186.50	188.00	486542	5247507	4,b,*a	113	52	9	30	3	
BRO52-02	AT02084	220.10	220.40	486521	5247513	4,b,*a	94	50	33	17	72	1
BRO52-02	AT02085	232.80	234.50	486512	5247515	2,a,*a	58	125	3	32	14	
BRO52-02	AT02086	234.50	235.70	486511	5247515	2,a,*a	32	118	1	25	1	
BRO52-02	AT02087	235.70	237.10	486511	5247515	4,a,*a	8	62	1	13	1	
BRO52-02	AT02088	237.10	237.90	486510	5247516	2,a,*a	91	150	10	26	1	

HOLE	SAMPLE	FROM	TO	UTM E	UTM N	FIELD	CU	ZN	PB	NI	AU	AG
		(m)	(m)	(mE)	(mN)	NAME	ppm	ppm	ppm	ppm	ppb	ppm
BRO52-05	AT07068	171.47	173.92	486737	5247366	3,bx,f,*a	16	51	7	16	1	
BRO52-05	AT07069	173.92	174.48	486738	5247366	3,bx,f,*a	21	24	8	13	7	
BRO52-05	AT07070	174.48	175.97	486738	5247366	3,bx,f,*a	34	27	8	15	10	
BRO52-05	AT07071	175.97	177.44	486739	5247365	3,bx,f,*a	9	34	4	10	1	
BRO52-05	AT07072	177.44	178.95	486740	5247365	3,bx,f,*a	13	25	7	18	1	
BRO52-05	AT07073	178.95	180.20	486741	5247365	3,bx,f,*a	10	17	7	12	1	
BRO52-05	AT07074	180.20	181.70	486742	5247365	3,bx,f,*a	15	15	8	11	3	
BRO52-05	AT07075	181.70	183.12	486743	5247365	3,m,*a	10	16	5	10	24	
BRO52-05	AT07076	183.12	184.62	486744	5247365	3,m,*a	10	19	2	11	10	
BRO52-05	AT07077	184.62	186.00	486745	5247364	3,m,*a	17	27	3	22	17	
BRO52-05	AT07078	186.00	187.48	486746	5247364	3,e,*a,*i,<RWV>	26	47	2	38	10	
BRO52-05	AT07079	187.48	188.96	486747	5247364	3,e,*a,*i,<RWV>	38	48	7	47	1	
BRO52-05	AT07080	196.20	197.96	486753	5247363	3,e,*a,*i,<RWV>	191	298	15	56	1	1
BRO62-01	AT02045	84.80	86.30	486510	5248875	3,a,t,*a,<RWV>	23	34	1	11	2	
BRO62-01	AT02046	86.30	87.80	486510	5248874	3,a,t,*a,<RWV>	24	52	3	11	7	
BRO62-01	AT02047	87.80	88.40	486510	5248874	3,a,t,*a,<RWV>	21	45	1	10	1	
BRO62-01	AT02048	88.40	90.30	486511	5248873	3,a,t,*a,<RWV>	25	53	19	52	1	1
BRO62-01	AT02049	90.30	92.00	486511	5248872	3,a,t,*a,<RWV>	21	160	1	16	1	
BRO62-01	AT02050	118.11	119.00	486520	5248857	3,C,bx,c,t,*w	48	75	18	43	17	1
BRO62-01	AT02051	119.00	120.50	486521	5248857	3,C,b,bx,*w	23	50	2	24	1	
BRO62-01	AT02052	120.50	122.00	486521	5248856	5,<ARG>	31	77	1	138	1	
BRO62-01	AT02053	122.00	123.50	486522	5248855	5,<ARG>	22	54	1	23	1	
BRO62-01	AT02054	123.50	125.00	486522	5248854	5,<ARG>	30	118	5	21	1	
BRO62-01	AT02055	125.00	126.50	486523	5248854	5,<ARG>	17	52	1	19	1	
BRO62-01	AT02056	126.50	128.00	486523	5248853	3,C,b,bx,*w	14	73	22	26	1	
BRO62-01	AT02057	128.00	129.00	486524	5248852	3,C,b,bx,*w	17	92	26	55	1	
BRO62-01	AT02058	189.60	191.00	486544	5248819	3,a,*a,<RWV>	61	119	6	25	3	
BRO62-01	AT02059	191.00	192.30	486545	5248818	3,a,*a,<RWV>	72	63	11	25	7	
BRO62-01	AT02060	192.30	194.00	486545	5248818	3,a,*a,<RWV>	74	121	3	21	1	
BRO62-01	AT02061	194.00	195.50	486546	5248817	3,a,*a,<RWV>	38	83	3	47	1	
BRO62-01	AT02062	195.50	196.30	486546	5248816	5,*g,<ARG>	58	80	5	22	1	
BRO62-02	AT06901	129.56	130.90	486939	5248792	2,*a,*g,<RWV>	61	85	6	18	3	
BRO62-02	AT07051	131.15	132.05	486939	5248791	2,g,*a,*g,<RWV>	197	127	3	33	14	
BRO62-02	AT07052	132.05	133.80	486939	5248791	2,g	281	421	27	82	31	1
BRO62-02	AT07053	133.80	134.80	486940	5248790	2,g,*a,*g,<RWV>	47	168	1	7	7	
BRO62-02	AT07054	134.80	136.00	486940	5248789	2,*a,*g,<RWV>	95	383	14	107	10	1
BRO62-02	AT06902	136.00	138.00	486940	5248789	2,g,*a,*g,<RWV>	67	94	2	49	38	
BRO62-02	AT06903	138.00	141.00	486941	5248788	2,g,*a,*g,<RWV>	62	62	3	36	14	
BRO62-02	AT06904	141.00	143.00	486941	5248786	2,*a,*g,<RWV>	71	67	18	45	10	

SAMPLE	HOLE	FROM	TO	UTM E	UTM N	FIELD	CHEM	ALUM	ACNK	ISH.	ZN/NA2O	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	TIO2	P2O5	MNO	CR2O3	LOI	SUM	Y	ZR	CU	ZN	NI	CO	S
		(m)	(m)	(mE)	(mN)	NAME	ID	INDEX	INDEX	INDEX	RATIO	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AT01379	AMY35-01	65.00	68.00	482102	5245012	9,a,q,m	9()B	158	0.89	20	5.79	74.40	12.52	2.18	0.18	4.32	1.40	2.51	0.11	0.04	0.05	0.12	1.34	99.17	24	138	15	25	5	10	2200
AT01380	AMY35-01	142.00	145.00	482054	5244997	9,a,q,m	9()B	144	0.82	23	2.11	75.59	12.25	2.18	0.45	4.74	1.58	2.31	0.10	0.04	0.04	0.08	1.41	100.77	22	140	25	10	195	5	1400
AT01381	AMY35-02	5.00	8.00	482302	5245126	4,a,bx,m,q	4()B	154	0.89	18	1.95	75.75	11.29	1.80	1.18	5.13	0.38	2.48	0.17	0.04	0.02	0.13	0.99	99.36	30	226	5	10	25	15	100
AT01382	AMY35-02	24.00	27.00	482312	5245130	4,a,bx,m,q	4()B	153	0.82	32	3.68	73.22	12.39	2.76	1.88	4.08	1.28	2.75	0.19	0.04	0.03	0.12	1.85	100.39	36	188	10	15	35	15	100
AT01383	AMY35-02	56.00	59.00	482328	5245136	4,a,bx,m,q	4()B	165	0.91	21	2.29	74.74	11.87	2.21	1.06	4.36	0.64	3.31	0.17	0.04	0.03	0.08	1.24	99.75	36	244	70	10	20	10	100
AT01384	AMY35-02	71.00	74.00	482336	5245138	4,a,e,I,m	4()B	151	0.86	23	2.07	73.94	11.39	1.97	1.34	4.83	0.72	3.44	0.22	0.04	0.04	0.11	1.43	99.47	34	234	15	10	45	15	50
AT01385	AMY35-02	95.00	98.00	482348	5245143	9,b,d,m,P	9(h)z	171	1.01	24	1.89	73.75	13.93	1.62	0.94	5.30	1.24	1.95	0.26	0.06	0.02	0.09	1.39	100.55	64	280	20	10	5	5	100
AT01386	AMY35-02	125.00	128.00	482364	5245149	9,b,m,D,P	9jA	183	1.03	38	9.62	70.60	13.62	2.02	2.46	4.16	1.28	3.53	0.37	0.10	0.05	0.05	2.28	100.50	18	166	5	40	15	5	100
AT01387	AMY35-02	168.00	171.00	482388	5245158	4,bx,f,I,*e	4()B	153	0.8	21	6.51	71.71	12.09	3.13	1.94	4.61	0.16	4.77	0.30	0.04	0.09	0.09	1.56	100.49	34	204	35	30	50	15	100
AT01388	AMY35-02	174.00	177.00	482392	5245159	4,a,m	4jB	184	1.07	32	3.66	76.73	12.75	1.48	1.27	4.10	1.36	1.87	0.19	0.04	0.02	0.11	1.11	101.03	26	186	10	15	5	10	50
AT01389	AMY35-02	180.00	183.00	482395	5245160	4,bx,f,I,*e	4()B	249	1.26	52	12.15	59.65	15.48	2.66	5.43	2.88	0.68	9.74	0.34	0.06	0.09	0.05	3.62	100.68	42	268	10	35	45	25	100
AT01390	AMY35-02	197.00	200.00	482405	5245164	9,b,m,D,P	9jA	153	0.81	21	6.24	69.74	13.66	3.22	1.23	4.81	0.90	4.22	0.38	0.10	0.05	0.09	1.84	100.24	16	168	25	30	55	10	100
AT01391	AMY35-02	245.00	248.00	482432	5245173	4,bx,f,I,*e	4jB	161	0.89	20	2.54	77.77	10.65	2.02	0.82	3.93	0.68	3.12	0.21	0.06	0.03	0.12	1.25	100.66	32	270	5	10	30	10	200
AT01412	AMY35-03	53.00	56.00	482262	5245125	4,a,m,q	4jB	184	1.04	34	9.07	72.35	12.01	1.85	2.99	4.41	0.26	4.45	0.26	0.04	0.05	0.09	1.74	100.50	30	226	10	40	20	20	100
AT01413	AMY35-03	165.20	168.20	482332	5245138	4,q,*a	4()B	172	0.95	20	46.04	76.11	10.67	1.88	1.04	3.91	0.40	3.44	0.37	0.10	0.03	0.26	0.85	99.06	32	176	235	180	20	25	300
AT01414	AMY35-03	179.20	182.00	482341	5245139	4,q,*a	4(h)z$	178	0.95	30	25	73.87	10.96	2.07	0.76	2.80	1.28	4.29	0.15	0.04	0.03	0.22	1.73	98.20	62	218	55	70	15	25	18200
AT01415	AMY35-03	189.00	192.00	482347	5245140	4,q,*a	4()B$	234	1.33	69	287.04	70.23	11.44	0.97	1.67	1.08	2.84	5.96	0.26	0.08	0.04	0.09	3.83	98.49	28	194	55	310	5	10	40100
AT01416	AMY35-03	194.00	197.00	482351	5245141	4,bx,f,I,*e	4()B	181	1.02	32	7.39	74.26	12.04	1.83	1.95	4.06	0.76	3.81	0.28	0.06	0.06	0.19	1.14	100.44	32	204	35	30	40	20	300
AT01417	AMY35-03	203.00	206.00	482357	5245142	3,a,m,D	4jA	172	0.99	24	3.36	68.24	15.34	2.31	2.01	5.95	0.64	3.99	0.38	0.10	0.03	0.12	1.47	100.58	10	132	5	20	20	20	200
AT01418	AMY35-03	215.00	218.00	482365	5245143	3,bx,f,I,*e	4()B	143	0.7	22	5.85	72.79	11.78	3.95	1.39	3.54	0.72	4.43	0.27	0.06	0.07	0.12	1.09	100.21	30	208	15	20	45	15	50
AT01371	AMY45-01	74.00	77.00	481724	5246204	4,a,bx,m,q	4()B	148	0.75	29	2.67	72.13	11.27	3.36	2.44	3.75	0.48	3.62	0.21	0.04	0.04	0.10	0.88	98.32	32	216	105	10	50	20	100
AT01372	AMY45-01	93.00	96.00	481713	5246201	4,a,bx,m,q	4()B	141	0.73	31	13.74	72.86	12.53	3.49	1.40	3.64	1.74	3.65	0.24	0.06	0.07	0.12	0.63	100.43	38	230	40	50	50	15	2000
AT01373	AMY45-01	104.00	107.00	481707	5246199	4,a,bx,m,q	4()B	139	0.7	30	7.8	70.64	12.52	3.78	1.17	3.29	1.92	3.14	0.22	0.06	0.06	0.14	0.74	97.68	38	216	20	25	35	15	1000
AT01374	AMY45-01	113.00	116.00	481701	5246197	9,b,d,D,P	9jA	143	0.75	20	4.64	66.86	14.86	3.96	1.39	5.39	1.02	3.66	0.35	0.12	0.05	0.06	1.99	99.71	10	114	5	25	15	15	100
AT01375	AMY45-01	137.00	140.00	481686	5246193	4,a,bx,m,q	4()B	144	0.64	37	11.3	68.25	11.57	5.19	3.08	1.77	1.08	4.60	0.26	0.04	0.06	0.09	2.78	98.77	32	186	15	20	55	15	50
AT01376	AMY45-01	149.00	152.00	481679	5246190	4,a,bx,m,q	4()B	145	0.68	42	24.06	70.60	12.68	4.70	2.51	1.87	2.20	4.74	0.31	0.04	0.09	0.12	1.02	100.88	36	190	55	45	35	15	100
AT01377	AMY45-01	183.00	186.00	481657	5246184	4,a,m,q	4()B	124	0.6	33	19.94	68.24	11.76	4.81	2.54	3.26	1.42	5.84	0.25	0.04	0.12	0.09	1.30	99.67	30	176	20	65	40	15	600
AT01378	AMY45-01	224.00	227.00	481630	5246175	4,a,bx,m,q	4()B	122	0.62	31	11.57	67.91	12.80	4.48	2.32	4.32	1.66	5.32	0.34	0.06	0.12	0.07	0.71	100.11	36	190	30	50	70	15	800
AT01393	AMY45-02	11.00	14.00	481973	5245742	4,a,m,<RHY>	4jB	178	1.02	31	24.69	79.15	11.63	1.53	0.32	3.24	1.78	1.91	0.10	0.04	0.03	0.10	0.93	100.76	20	144	25	80	10	10	400
AT01394	AMY45-02	29.00	32.00	481983	5245748	4,a,e,m,q	4()B	167	0.96	30	26.83	75.73	12.37	1.68	0.86	4.10	1.64	2.55	0.24	0.08	0.04	0.09	1.17	100.55	50	252	20	110	10	10	300
AT01395	AMY45-02	33.10	36.10	481986	5245747	4,a,e,m,q	4jB	151	0.76	21	46.74	74.17	12.11	3.51	0.88	3.53	1.00	3.52	0.23	0.08	0.05	0.13	1.07	100.28	52	934	115	165	25	15	100
AT01396	AMY45-02	148.00	151.00	482057	5245772	4,a,bx,<RHY>	4(h)z$	198	1.15	56	30.72	66.80	12.77	1.32	3.31	2.93	2.20	7.89	0.16	0.06	0.08	0.11	3.03	100.66	62	272	20	90	25	15	22000
AT01397	AMY45-02	152.00	155.00	482059	5245773	4,a,d	4jB	166	0.95	23	16.17	76.45	12.04	1.74	0.28	4.02	1.48	2.44	0.11	0.04	0.04	0.11	0.92	99.67	22	156	20	65	5	10	100
AT01398	AMY45-02	167.00	170.00	482089	5245777	4,a,m	4()B	170	0.97	21	13.38	77.79	12.35	1.77	0.19	4.11	1.38	2.18	0.11	0.04	0.03	0.09	1.01	101.05	22	152	15	55	15	10	200
AT01399	AMY45-02	173.00	176.00	482073	5245778	4,bx	4(h)z$	146	0.9	78	20	77.59	11.51	0.57	0.54	1.25	6.04	2.12	0.12	0.04	0.02	0.11	1.00	100.91	72	272	15	25	5	10	5700
AT01400	AMY45-02	179.00	182.00	482077	5245780	4,bx	4hz$	171	1.04	33	9.14	75.39	11.39	1.06	0.70	3.83	1.76	3.84	0.10	0.04	0.02	0.10	1.78	100.01	70	174	10	35	5	5	16100
AT01401	AMY45-02	184.60	187.60	482081	5245781	4,a,m	4(h)z$	172	0.97	27	4.41	74.64	10.53	1.65	0.82	3.40	1.08	6.37	0.15	0.04	0.03	0.12	2.12	100.95	64	264	185	15	5	10	26800
AT01402	AMY45-02	266.00	269.00	482138	5245802	4,a,m,q,*w	4()B	182	1.01	39	10.08	69.45	12.06	1.95	3.14	3.97	0.72	4.03	0.28	0.06	0.05	0.08	2.18	97.97	32	206	20	40	45	15	50
AT01403	AMY45-03	8.00	11.00	481578	5246212	4,b,*a,*y	4(h)B	174	0.8	34	3.76	77.44	11.55	3.75	1.05	1.33	1.56	2.20	0.24	0.06	0.03	0.08	1.55	100.84	48	228	25	5	10	10	100
AT01404	AMY45-03	29.00	32.00	481597	5246219	4,b,*a,*y	4(h)B	176	0.82	37	7.81	78.75	10.88	3.36	1.13	1.28	1.54	2.24	0.20	0.06	0.03	0.09	1.28	100.84	42	202	15	10	10	10	100
AT01405	AMY45-03	52.80	55.80	481617	5246226	4,a,*a,<EXH>	4()B$	170	0.78	39	7.19	67.25	13.03	4.43	1.92	1.39	1.84	7.37	0.29	0.06	0.06	0.09	2.75	100.48	34	236	155	10	30	20	19900
AT01406	AMY45-03	92.00	95.00	481649	5246238	4,a,e,m	4jB	136	0.71	29	4.81	68.54	12.55	3.56	1.72	4.16	1.50	5.28	0.31	0.06	0.09	0.11	1.32	99.20	32	228	115	20	40	20	4400
AT01407	AMY45-03	104.00	107.00	481660	5246242	4,e,*b	4jB$	144	0.78	31	1.29	73.83	11.80	2.60	1.15	3.67	1.74	3.83	0.23	0.04	0.06	0.10	1.15	100.40	32	240	50	5	10	10	11900
AT01408	AMY45-03	110.00	113.00	481665	5246244	4,a,f,*a	4jB$	185	1.02	63	51.47	69.79	12.37	1.61	1.26	1.36	3.72	5.23	0.27	0.08	0.03	0.04	3.09	98.85	26	186	70	70	5	10	23900
AT01409	AMY45-03	125.00	128.00	481675	5246248	4,d,*a	4()B	141	0.63	28	4.31	72.46	12.03	5.53	2.34	2.32	0.66	3.73	0.29	0.06	0.06	0.08	1.25	100.81	30	184	10	10	35	15	50
AT01410	AMY45-03	140.00	143.00	481685	5246251	4,d,*a	4()B	160	0.84	42	61.32	71.51	12.67	2.85	2.52	3.18	1.88	4.32	0.26	0.06	0.06	0.10	1.06	100.47	34	210	55	195	30	15	4000
AT06773	BRO41-06	101.30	104.30	486261	5246333	4,m,q,<RHY>	4jA	145	0.64	37	13.61	63.11	14.44	6.40	2.57	1.47	2.06	3.25	0.32	0.12	0.06	0.04	5.49	99.33	12	130	25	20	10	15	50
AT06774	BRO41-06	113.20	116.20	486256	5246333	4,m,q,<RHY>	4jA	207	1.02	48	11.63	68.95	15.52	3.30	2.17	1.72	2.46	2.92	0.38	0.12	0.04	0.07	3.17	100.82	12	136	10	20	15	10	50
AT06775	BRO41-06	132.20	135.20	486247	5246335	4,a,m,q	4jA	213	1.05	56	23.53	68.32	15.67	3.18	1.81	0.85	3.32	2.52	0.38	0.12	0.04	0.04	4.06	100.31	10	164	10	20	2	5	50
AT06776	BRO41-06	155.00	158.00	486236	5246337	4,a,d,m,G	4jA	228	1.13	54	64.22	69.61	15.66	2.85	1.75	1.09	2.92	2.39	0.37	0.12	0.07	0.06	2.72	99.61	8	136	5	70	15	10	100
AT06777	BRO41-06	170.00	173.00	486228	5246338	4,m,q	4()A	190	0.85	44	51.14	64.36	14.16	4.60	2.39	0.88	1.98	7.30	0.34	0.12	0.33	0.03	4.07	100.56	14	96	25	45	25	10	100
AT06778	BRO41-06	189.00	192.00	486219	5246340	4,a,m	4jA$	207	0.96	49	34.31	64.60	13.91	3.67	2.41	1.02	2.04	7.88	0.33	0.10	0.35	0.07	3.89	100.27	12	110	10	35	15	10	7000
AT06779	BRO41-06	210.00	213.00	486208	5246342	4,a,m	4jA	192	0.92	40	21.62	68.67	15.70	4.08	1.71	1.85	2.26	3.17	0.37	0.10	0.10	0.04	2.87	100.92	10	122	35	40	25	10	50
AT06780	BRO41-06	269.00	272.00	486177	5246347	4,a,m,q,D	4jA	179	0.86	43	6.25	69.47	14.84	4.09	1.67	1.60	2.60	2.44	0.30	0.10	0.06	0.06	3.27	100.50	6	124	40	10	10	10	50
AT01441	BRO52-02	167.00	170.00	486554	5247504	4,a,*a,*g	4jA	260	1.54	63	14.04	70.67	14.99	0.87	1.42	1.78	3.12	2.94	0.29	0.10	0.08	0.03	2.13	98.42	1	122	5	25	10	5	50
AT01442	BRO52-02	179.00	182.00	486546	5247506	4,a,*a,*g,<RWV>	4()A$	581	2.82	80	95.74	53.08	11.50	0.93	4.97	0.47	0.58	21.83	0.42	0.12	0.63	0.01	5.88	100.42	18	108	35	45	15	10	35400
AT01443	BRO52-02	191.00	194.00	486539	5247508	3,b,f,*a	4jA	251	1.45	76	71.43	73.91	12.32	0.83	1.22	0.63	3.44	3.36	0.19	0.06	0.08	0.02	2.08	98.14	16	188	10	45	10	5	50
AT01444	BRO52-02	203.00	206.00	486531	5247510	4,b,*a	4jA	244	1.34	73	76.92	75.54	12.05	1.16	1.31	0.52	3.26	2.31	0.18	0.06	0.06	0.04	2.42	98.91	18	194	10	40	5	5	2600
AT01445	BRO52-02	217.00	220.00	486522	5247512	4,b,*a	4jA	211	1.11	63	31.65	73.86	13.72	1.98	0.88	0.79	3.74	2.15	0.24	0.08	0.04	0.05	3.23	100.76	12	174	10	25	15	5	50

SAMPLE	HOLE	FROM	TO	UTM E	UTM N	FIELD	CHEM	ALUM	ACNK	ISH.	ZN/NA2O	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	TIO2	P2O5	MNO	CR2O3	LOI	SUM	Y	ZR	CU	ZN	NI	CO	S
		(m)	(m)	(mE)	(mN)	NAME	ID	INDEX	INDEX	INDEX	RATIO	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AT01446	BRO52-02	227.00	230.00	486516	5247514	4,a,t,*a,*g	4jA	195	0.97	61	130.43	74.54	12.45	2.53	0.71	0.23	3.64	2.28	0.18	0.06	0.05	0.03	3.12	99.82	16	192	35	30	15	5	600
AT01447	BRO52-02	232.80	235.80	486512	5247515	4,a,*a	4(h)A$	152	0.57	42	8500	51.35	9.11	5.89	4.09	0.01	0.10	20.07	0.25	0.06	0.64	0.01	6.25	97.83	16	70	15	85	5	15	67300
AT01448	BRO52-02	257.00	260.00	486496	5247520	4,b,t,*a,*z	4jA	203	1.1	58	45.45	74.25	13.03	1.76	0.96	1.32	3.34	3.29	0.20	0.06	0.07	0.04	2.26	100.58	16	218	35	60	5	10	200
AT01449	BRO52-02	278.00	281.00	486483	5247524	4,b,t,*a,*z	4jA	212	1.1	63	87.72	74.17	13.31	2.09	0.82	0.57	3.62	3.04	0.21	0.06	0.09	0.03	2.36	100.37	18	212	10	50	20	5	50
AT01450	BRO52-02	299.00	302.00	486469	5247528	4,b,*a,*x,*z	4jA	178	0.85	49	86.21	74.39	12.07	3.19	0.67	0.58	3.02	2.60	0.17	0.06	0.07	0.03	3.48	100.33	16	192	10	50	5	5	50
AT01451	BRO52-02	309.00	312.00	486462	5247530	4,a,*a,*z,<RWV>	4jA	281	1.6	74	73.77	77.86	11.59	0.79	1.28	0.61	2.72	3.50	0.17	0.06	0.07	0.03	2.00	100.68	16	182	75	45	5	5	400
AT01452	BRO52-02	329.00	332.00	486449	5247534	4,a,*a,*z,<RWV>	4(h)B	248	1.42	76	17.24	76.36	12.72	0.94	1.34	0.58	3.60	1.88	0.09	0.08	0.04	0.05	2.23	99.89	22	106	10	10	5	5	800
AT01453	BRO52-02	336.00	339.00	486444	5247536	2,a,*a,*z,<RWV>	2(h)w	190	0.92	65	164.71	60.51	13.67	3.33	4.68	0.85	3.00	10.54	0.70	0.08	0.18	0.04	3.26	100.84	22	98	30	140	55	25	50
AT01454	BRO52-02	358.00	361.00	486429	5247541	4,a,*a,*z,<RWV>	4(h)B	233	1.36	70	40.63	70.29	11.37	0.89	3.46	1.60	2.38	7.77	0.24	0.06	0.13	0.04	2.38	100.61	26	120	15	65	25	15	4100
AT01455	BRO52-02	375.00	378.00	486418	5247545	4,a,*a,<RWV>	4jA	181	1.07	59	12.05	72.99	13.23	1.22	1.71	2.49	3.58	3.18	0.30	0.08	0.06	0.07	1.92	100.83	14	160	50	30	15	10	1400
AT01457	BRO52-03	54.00	57.00	486654	5247489	4,a,*a,<RWV>	4jB$	278	1.04	61	12000	46.95	11.27	3.99	6.21	0.01	0.06	24.10	0.18	0.06	0.64	0.01	4.84	98.32	22	168	5	120	5	5	19700
AT01458	BRO52-03	62.00	65.00	486659	5247489	4,a,*a	4jA$	273	1.19	54	125	75.31	9.85	2.35	2.08	0.24	1.02	6.43	0.14	0.04	0.13	0.04	3.18	100.81	12	164	20	30	20	15	8400
AT01459	BRO52-03	72.00	75.00	486665	5247489	4,a,m	4jA	391	1.82	57	70.42	72.48	14.60	2.02	2.65	0.71	1.00	3.59	0.30	0.10	0.08	0.03	3.10	100.66	6	126	5	50	30	5	50
AT01460	BRO52-03	89.00	92.00	486675	5247489	4,a,*a	4jA	142	0.59	40	42.86	69.93	10.23	5.34	2.84	0.70	1.18	3.99	0.16	0.04	0.12	0.03	5.98	100.52	14	180	5	30	5	5	100
AT01461	BRO52-03	101.00	104.00	486682	5247489	3,a,*a	3j	298	1.5	64	28.74	67.73	15.74	2.08	2.89	0.87	2.34	4.28	0.54	0.16	0.12	0.03	3.56	100.34	18	152	5	25	10	10	50
AT01462	BRO52-03	119.40	122.40	486693	5247489	3,a,*a	3j	192	0.89	39	22.06	66.33	14.71	4.37	2.84	2.04	1.24	4.48	0.53	0.14	0.19	0.03	3.45	100.35	16	150	15	45	20	5	500
AT01463	BRO52-03	134.00	137.00	486701	5247489	4,b,q,*a	4jA	231	1.19	46	18.42	68.38	14.37	2.32	1.58	1.90	2.00	3.83	0.40	0.12	0.11	0.04	2.70	97.75	14	146	5	35	5	5	4800
AT01464	BRO52-03	155.00	158.00	486714	5247489	3,b,q,*a	3j$	217	1.03	43	35.71	59.68	14.91	3.44	1.54	1.40	2.04	9.42	0.49	0.14	0.12	0.04	5.51	98.73	12	110	10	50	10	10	49100
AT01465	BRO52-03	169.00	172.00	486722	5247489	4,a,*a,<RWV>	4jA	225	1.16	66	100	77.30	11.36	1.70	0.86	0.30	3.04	2.35	0.19	0.06	0.03	0.03	2.97	100.19	16	178	15	30	5	5	2400
AT01466	BRO52-03	176.00	179.00	486726	5247489	4,a,*a,<RWV>	4jB	234	1.26	66	50.72	72.93	13.85	1.84	0.91	0.69	3.58	2.21	0.34	0.10	0.03	0.03	2.90	99.21	20	166	10	35	5	5	3800
AT01467	BRO52-03	186.00	189.00	486732	5247489	2,a,p,m	3h!	101	0.43	28	132.65	47.98	14.21	10.20	4.24	2.94	0.90	8.87	0.76	0.10	0.15	0.06	10.22	100.63	14	32	90	390	150	40	50
AT01468	BRO52-03	209.00	212.00	486746	5247488	2,a,p,m	2hu!	102	0.4	31	25.57	44.82	14.57	12.47	6.30	1.76	0.04	10.00	0.76	0.10	0.17	0.07	8.87	99.93	16	34	155	45	155	40	100
AT01469	BRO52-03	242.00	245.00	486766	5247487	2,a,p,m	2hu!	122	0.53	37	10.45	48.38	14.30	8.32	6.85	3.35	0.02	9.80	0.81	0.10	0.18	0.06	8.53	100.50	14	34	90	35	170	45	100
AT01470	BRO52-03	284.00	287.00	486792	5247485	2,a,p,m	2hu	99	0.39	34	47.47	47.66	13.56	12.07	7.14	1.58	0.04	10.34	0.71	0.08	0.18	0.11	7.25	100.72	14	38	70	75	150	35	50
AT01471	BRO52-03	314.00	317.00	486810	5247483	2,a,p,m	2(h)u!	101	0.4	35	25.64	44.31	13.66	11.82	6.40	1.17	0.48	9.82	0.72	0.10	0.16	0.12	12.17	100.93	12	42	85	30	155	35	100
AT01472	BRO52-03	329.00	332.00	486819	5247481	2,a,*a	2hu!	96	0.38	31	37.67	47.15	13.04	11.52	5.38	1.46	0.54	9.43	0.71	0.08	0.17	0.09	11.03	100.60	12	28	95	55	155	35	100
AT01473	BRO52-04	23.00	26.00	486454	5247921	4,b,f,*b,*w,*z	4jA	169	0.86	48	10.56	73.50	11.64	2.63	0.96	1.42	2.82	2.85	0.20	0.06	0.06	0.03	4.51	100.70	18	194	25	15	5	5	50
AT01474	BRO52-04	44.00	47.00	486466	5247916	4,b,f,*b,*x,*z	4jA	167	0.88	39	12.55	73.61	11.67	2.37	0.84	2.39	2.24	2.98	0.19	0.06	0.07	0.02	3.81	100.25	18	196	20	30	5	5	200
AT01475	BRO52-04	68.00	71.00	486481	5247911	4,b,f,*b,*x,*z	4jA	169	0.8	52	40	73.76	11.69	3.42	0.70	0.25	3.24	2.63	0.18	0.08	0.04	0.02	4.45	100.44	16	188	90	10	5	5	100
AT01476	BRO52-04	86.00	89.00	486492	5247907	4,b,*b,*w,<RHY>	4jA	191	0.94	64	78.95	69.92	13.28	2.88	1.47	0.19	3.88	2.78	0.21	0.06	0.13	0.02	6.08	100.90	18	226	5	15	5	5	50
AT01477	BRO52-04	89.00	92.00	486494	5247906	4,C,b,*b,*w,*z	4jB	205	1.01	64	83.33	69.09	12.44	2.52	1.72	0.30	3.26	3.80	0.20	0.08	0.13	0.04	5.08	98.66	20	194	35	25	5	5	100
AT01478	BRO52-04	99.00	102.00	486500	5247904	3,b,*a,<RWV>	4jA	226	1.07	63	535.71	70.63	11.34	2.41	1.87	0.14	2.48	5.84	0.18	0.08	0.18	0.03	4.80	99.96	18	182	5	75	5	5	100
AT01479	BRO52-04	105.00	108.00	486503	5247903	3,a,*a,<RWV>	3j	240	1.24	64	240	69.43	15.05	2.17	1.82	0.75	3.36	3.44	0.54	0.14	0.08	0.02	4.02	100.82	20	150	15	180	25	5	100
AT01480	BRO52-04	120.00	123.00	486512	5247899	3,bx,c,*e	3j	167	0.79	39	46.51	65.17	15.11	4.72	1.50	1.72	2.60	3.79	0.53	0.14	0.07	0.01	5.27	100.63	16	154	20	80	15	10	1700
AT01481	BRO52-04	140.00	143.00	486524	5247895	3,b,bx,*e	3j	114	0.49	31	56.96	63.39	12.88	7.71	1.03	0.79	2.74	3.39	0.47	0.14	0.08	0.01	7.57	100.18	14	130	15	45	40	5	50
AT01482	BRO52-04	161.00	164.00	486537	5247890	2,bx,c,f,*e	2hu!	128	0.55	45	216.73	44.98	14.35	8.01	8.11	2.63	0.60	11.82	0.83	0.08	0.19	0.04	8.66	100.30	18	40	105	570	125	40	100
AT01483	BRO52-04	257.00	260.00	486596	5247869	2,p,*e	2hv	138	0.65	36	17.31	49.19	15.72	6.32	6.24	4.91	0.14	11.77	0.80	0.08	0.17	0.06	4.68	100.08	16	34	105	85	140	30	50
AT06762	BRO52-05	88.10	91.50	486683	5247375	2,I,*a	4(j)A!	607	2.53	82	812.5	35.25	9.10	1.12	5.01	0.08	0.30	37.62	0.38	0.10	0.50	0.06	10.80	100.32	14	80	65	65	15	25	102000
AT06763	BRO52-05	91.50	94.60	486685	5247375	2,*a,*i,<RWV>	2jyB$	262	1.12	58	74.47	49.50	11.35	3.10	5.20	0.94	0.30	21.17	1.74	0.84	0.30	0.12	6.24	100.80	22	190	20	70	30	25	42500
AT06764	BRO52-05	102.10	104.90	486692	5247374	2,bx,f,*a,<RWV>	2hw$	129	0.56	34	10.1	46.84	15.63	8.40	5.19	2.97	0.78	11.80	1.09	0.16	0.22	0.07	7.60	100.75	20	58	155	30	70	40	5400
AT06765	BRO52-05	128.40	131.20	486709	5247371	4,a,m	4jB$	227	1.24	50	70.09	70.34	14.30	1.83	1.67	2.14	2.32	4.66	0.44	0.24	0.08	0.14	2.51	100.67	20	156	15	150	10	25	10300
AT06766	BRO52-05	159.50	162.30	486729	5247367	4,f,*a	4(h)B	235	1.3	59	46.1	73.40	15.58	1.64	0.75	1.41	3.58	1.43	0.19	0.08	0.03	0.12	2.28	100.49	28	126	2	65	2	15	100
AT06767	BRO52-05	171.00	173.80	486736	5247366	4,bx,f,*a	4jB$	183	0.89	50	3.17	73.39	12.26	3.00	0.63	0.63	3.06	3.34	0.18	0.06	0.06	0.09	3.03	99.73	22	218	10	2	2	15	8000
AT06768	BRO52-05	174.00	177.00	486738	5247366	4,bx,f,*a	4jB$	221	1.16	58	38.04	70.07	13.33	1.95	0.75	0.92	3.16	4.92	0.21	0.08	0.08	0.05	3.55	99.07	22	206	15	35	2	10	24700
AT06769	BRO52-05	180.00	183.00	486742	5247365	3,a,m,*a	4jB$	187	0.93	55	3.28	64.86	15.14	3.32	0.57	0.61	4.16	3.86	0.21	0.08	0.05	0.06	4.75	97.67	26	198	55	2	2	10	18300
AT06770	BRO52-05	192.00	195.00	486750	5247363	3,e,*a,*i,<RWV>	3j	187	0.87	46	5.62	67.60	14.59	4.09	1.36	0.89	2.84	3.75	0.54	0.16	0.06	0.04	3.69	99.61	16	144	20	5	20	15	100
AT06771	BRO52-05	196.20	199.10	486753	5247363	3,e,*a,*i,<RWV>	3(j)$	100	0.42	28	321.78	62.54	10.95	8.28	1.89	1.01	1.64	7.28	0.49	0.10	0.14	0.09	4.19	98.60	14	82	45	325	10	15	38300
AT01351	BRO61-02	25.00	28.00	484903	5249380	9,b,d	9(j)B	155	0.8	29	10.57	70.17	13.01	3.29	0.89	3.31	1.80	3.12	0.36	0.10	0.05	0.03	4.14	100.27	24	166	10	35	15	5	100
AT01352	BRO61-02	55.00	58.00	484910	5249399	9,b,d	9jB	147	0.71	37	10.2	67.32	13.59	4.32	0.64	1.96	2.98	2.06	0.36	0.10	0.05	0.03	5.09	98.50	20	178	115	20	5	5	100
AT01353	BRO61-02	85.00	88.00	484917	5249418	9,b,d	9(j)B	117	0.54	27	15.5	64.65	12.96	6.28	1.11	2.58	2.22	3.47	0.33	0.08	0.07	0.04	6.96	100.75	22	150	15	40	20	10	100
AT01354	BRO61-02	131.00	134.00	484928	5249448	7,b,m,<AND>	7hu!	121	0.49	39	32.26	46.84	12.78	8.61	6.50	1.86	0.08	11.94	0.83	0.10	0.16	0.03	10.95	100.68	14	36	45	60	95	40	200
AT01355	BRO61-02	162.00	165.00	484935	5249469	3,C,bx,*b,*x	4jA	166	0.81	30	11.51	62.69	13.73	3.95	1.72	3.04	1.30	3.53	0.35	0.12	0.06	0.01	7.18	97.68	8	82	40	35	15	15	1600
AT01356	BRO61-02	192.00	195.00	484942	5249489	3,C,bx,*b,*x	4jA!	127	0.59	31	11.29	56.90	14.39	6.40	2.45	3.10	1.84	4.27	0.35	0.10	0.10	0.01	10.31	100.22	10	90	35	35	35	15	100
AT01357	BRO61-02	222.00	225.00	484950	5249509	3,C,bx,*b,*x	4jA	163	0.81	28	9.26	59.67	15.71	4.38	1.64	3.78	1.48	3.91	0.39	0.12	0.06	0.01	7.48	98.63	12	104	45	35	35	20	1000
AT01358	BRO61-02	245.00	248.00	484955	5249524	3,C,bx,*b,*x	4jA!	175	0.81	31	18.37	60.70	15.64	4.94	1.85	2.45	1.54	4.56	0.34	0.10	0.08	0.02	8.19	100.41	10	70	35	45	10	15	50
AT01359	BRO61-02	251.00	254.00	484957	5249528	3,b,*a,*z,<DAC>	4jA	192	0.92	30	12.24	59.43	15.94	4.25	1.82	2.86	1.20	4.02	0.34	0.10	0.06	0.02	7.80	97.84	8	86	55	35	20	15	1000
AT01360	BRO61-02	261.00	264.00	484959	5249534	3,b,*a,*z,<DAC>	4jA	164	0.8	23	9.85	61.86	15.39	4.55	1.79	4.06	0.80	3.86	0.32	0.10	0.06	0.01	6.28	99.08	8	84	40	40	30	20	50
AT01361	BRO61-03	59.00	62.00	486054	5249157	9,b,m,D,<DAC>	9jA	158	0.95	29	2.65	67.24	14.55	1.66	1.19	5.67	1.66	4.48	0.43	0.14	0.07	0.08	1.77	99.14	18	144	25	15	10	10	50
AT01362	BRO61-03	119.00	122.00	486033	5249133	9,b,D,e,m	9jA	176	0.98	27	4.73	68.75	14.20	2.25	0.87	4.23	1.58	4.73	0.41	0.12	0.06	0.03	3.35	100.58	16	128	15	20	30	10	100

SAMPLE	HOLE	FROM	TO	UTM E	UTM N	FIELD	CHEM	ALUM	ACNK	ISH.	ZN/NA2O	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	TIO2	P2O5	MNO	CR2O3	LOI	SUM	Y	ZR	CU	ZN	NI	CO	S
		(m)	(m)	(mE)	(mN)	NAME	ID	INDEX	INDEX	INDEX	RATIO	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AT01363	BRO61-03	155.00	158.00	486022	5249119	7,b,D,e,m	7(j)yB	105	0.46	35	18.87	53.11	11.96	7.64	6.02	3.71	0.08	8.25	0.88	0.36	0.13	0.08	8.44	100.66	18	106	90	70	105	25	100
AT01364	BRO61-03	170.00	173.00	486017	5249114	9,*t,b,D,<RHY>	9jA	152	0.77	29	14.49	63.00	14.38	3.94	0.85	3.45	2.10	4.45	0.47	0.14	0.07	0.03	4.80	97.68	14	124	30	50	15	10	50
AT01365	BRO61-03	177.30	178.50	486015	5249111	9,b,m,<RHY>	9jA	137	0.7	26	10.18	61.96	14.76	4.61	2.14	4.91	1.22	4.27	0.43	0.24	0.06	0.05	4.74	99.39	12	130	20	50	30	10	2900
AT01366	BRO61-03	190.00	193.00	486010	5249106	9,*t,b,D,<RHY>	9jA	141	0.68	33	18.22	63.22	14.12	4.97	1.17	2.47	2.56	4.26	0.45	0.12	0.06	0.01	5.94	99.37	12	132	40	45	20	5	100
AT01367	BRO61-03	215.00	218.00	486002	5249096	9,*t,b,D,<RHY>	9jA	143	0.67	29	17.7	63.54	13.97	5.34	0.97	2.26	2.18	4.18	0.42	0.12	0.09	0.04	5.98	99.09	18	136	20	40	25	10	200
AT01368	BRO61-03	239.00	242.00	485995	5249087	9,*t,b,D,<RHY>	9(j)A	140	0.66	24	16.29	63.93	13.14	5.04	1.28	3.07	1.30	6.89	0.41	0.10	0.16	0.01	5.68	100.81	18	124	25	50	35	15	50
AT01369	BRO61-03	257.00	260.00	485989	5249080	9,c,d,m,P,<RHY>	9jA	168	0.93	30	9.13	69.54	14.36	2.37	1.04	4.38	1.82	3.59	0.34	0.12	0.05	0.05	3.15	100.81	12	102	5	40	10	10	50
AT01419	BRO62-01	26.00	29.00	486491	5248905	3,b,t,*a,*w,*z	4jA	191	1.18	35	8.31	69.39	12.60	0.95	1.32	4.21	1.44	5.35	0.44	0.12	0.03	0.02	1.77	97.64	12	140	40	35	20	15	1200
AT01420	BRO62-01	53.00	56.00	486500	5248891	3,a,t,*b,*w,*z	3j	162	0.97	29	15.18	68.49	15.05	1.61	0.89	5.60	2.08	2.90	0.53	0.16	0.05	0.01	2.75	100.12	16	182	20	85	10	5	50
AT01421	BRO62-01	77.00	80.00	486507	5248879	3,b,t,*a,*w,*z	3j	164	0.98	28	3.42	67.75	15.55	1.70	0.98	5.85	1.96	2.91	0.59	0.16	0.05	0.01	3.06	100.57	16	196	15	20	20	5	100
AT01422	BRO62-01	84.80	87.80	486510	5248874	4,a,t,*a,<RWV>	4jA$	144	0.7	44	24.73	64.53	13.06	4.12	1.43	1.82	3.16	4.36	0.44	0.12	0.13	0.01	7.03	100.21	14	158	15	45	10	5	7000
AT01423	BRO62-01	92.00	95.00	486512	5248871	3,a,t,*a,<RWV>	4jA	216	1.1	52	37.31	66.36	14.49	2.52	1.35	1.34	2.84	7.11	0.45	0.16	0.07	0.01	3.81	100.51	10	122	20	50	25	10	100
AT01424	BRO62-01	98.00	101.00	486514	5248868	9,b,d,P	9jA	137	0.7	27	12.32	67.20	13.80	3.96	0.92	4.06	2.06	3.58	0.38	0.12	0.07	0.02	4.34	100.51	10	120	15	50	15	5	50
AT01425	BRO62-01	113.00	116.00	486519	5248860	3,C,b,bx,t,*w	4jA$	166	0.94	25	11.55	63.83	15.63	2.55	2.10	6.06	0.82	5.89	0.48	0.12	0.10	0.01	2.71	100.28	12	108	15	70	20	15	8100
AT01426	BRO62-01	122.00	125.00	486522	5248855	5,<ARG>	5	219	1.19	******	25	63.76	15.56	2.10	3.21	2.60	2.42	6.31	0.48	0.12	0.17	0.01	4.10	100.84	12	126	15	65	30	15	1400
AT01428	BRO62-01	185.00	188.00	486543	5248821	3,a,*a,<RWV>	3j	135	0.66	33	1.84	64.23	13.45	4.79	1.81	3.04	2.10	4.23	0.48	0.14	0.13	0.01	6.12	100.53	14	134	30	5	25	5	300
AT01429	BRO62-01	191.00	194.00	486545	5248818	3,a,*a,<RWV>	3jy$	188	0.87	40	133.93	64.23	15.58	4.61	1.21	1.12	2.54	4.84	0.60	0.32	0.08	0.00	5.25	100.38	18	146	20	150	5	5	9300
AT01430	BRO62-01	200.00	203.00	486548	5248813	5,*g,<ARG>	5	115	0.45	******	421.88	46.93	13.41	10.21	4.36	0.32	1.16	12.03	1.02	0.10	0.19	0.03	11.13	100.89	22	52	90	135	115	40	50
AT01431	BRO62-01	221.00	224.00	486555	5248802	2,m,p	2hv	102	0.41	27	41.21	48.60	14.49	12.28	5.16	1.82	0.06	13.08	1.09	0.14	0.21	0.04	3.93	100.90	22	58	100	75	110	45	100
AT06751	BRO62-02	36.00	39.00	486920	5248831	4,f,l,*b,<RWV>	4jA$	214	1.14	49	15.35	63.34	15.28	2.32	1.85	2.28	2.54	7.90	0.45	0.12	0.15	0.03	4.00	100.26	16	150	20	35	35	10	11200
AT06752	BRO62-02	44.00	47.00	486922	5248828	3,f,l,*b,<RWV>	4jA	156	0.81	27	6.01	62.51	13.48	3.39	1.74	4.16	1.08	6.85	0.40	0.12	0.28	0.04	4.01	98.06	14	120	15	25	15	15	3600
AT06753	BRO62-02	50.60	53.20	486923	5248825	3,f,l,*b,<RWV>	4jA	149	0.79	27	2.26	66.20	13.02	3.02	1.52	4.43	1.30	4.39	0.35	0.12	0.19	0.04	3.75	98.33	10	106	30	10	10	15	1700
AT06754	BRO62-02	62.40	64.90	486925	5248821	3,f,l,*b,<RWV>	4jA	173	0.87	35	14.11	60.74	13.93	3.46	2.26	3.19	1.40	9.17	0.42	0.12	0.32	0.02	5.42	100.45	10	124	20	45	15	15	3200
AT06755	BRO62-02	67.10	69.40	486926	5248819	3,f,l,*b,<RWV>	4jA$	171	0.81	41	21.6	66.03	12.53	3.70	1.76	1.62	2.00	6.81	0.41	0.12	0.24	0.03	5.67	100.92	12	114	35	35	20	10	7300
AT06756	BRO62-02	76.80	79.10	486928	5248815	3,f,l,*a,<RWV>	4jA$	167	0.7	45	45.45	61.70	10.64	4.75	3.37	0.66	0.98	11.17	0.34	0.10	0.23	0.03	6.93	100.90	8	104	40	30	30	15	6500
AT06757	BRO62-02	79.10	81.30	486929	5248814	2,a,m	2(h)u!	101	0.4	41	72.37	41.55	12.48	10.23	6.09	0.76	1.42	11.06	0.73	0.10	0.24	0.04	16.04	100.74	16	50	85	55	105	45	50
AT06758	BRO62-02	87.60	90.30	486930	5248810	4,f,*a,*g,<RWV>	4jA!$	146	0.64	41	8.55	59.66	13.12	5.70	2.55	1.17	2.14	4.86	0.43	0.12	0.15	0.03	8.48	98.41	10	102	25	10	35	20	5300
AT06759	BRO62-02	94.20	96.80	486932	5248807	3,a,*g,<RWV>	3j	176	0.8	43	31.58	64.35	13.93	4.67	1.96	0.95	2.28	4.88	0.49	0.12	0.15	0.01	6.88	100.67	12	130	20	30	40	15	1700
AT06760	BRO62-02	110.70	113.10	486935	5248800	3,*a,*g,<RWV>	3j	172	0.77	43	29.7	63.54	13.11	4.62	2.24	1.01	2.00	3.56	0.52	0.16	0.07	0.03	6.75	97.61	18	136	15	30	25	15	50
AT06761	BRO62-02	128.60	131.20	486939	5248792	3,g,*a,*g,<RWV>	3j$	170	0.78	43	35.4	63.16	14.34	4.82	2.06	1.13	2.48	4.89	0.53	0.16	0.12	0.03	6.73	100.45	18	146	10	40	2	5	9500

Appendix F- Shining Tree Anomalous Lithogeochemistry - Statistical Summary

SHINING TREE LITHOGEOCHEMICAL STATISTICS (for Micromine & Acad drawings)

RESULT			NA2O	SIO2(FEL)	SIO2(INT)	SIO2(MAF)	CU	ZN	MGO(FEL)	MGO(INT)	MGO(MAF)
	COLOUR	Acad layer	DEPLET.								
HIGHLY ANOMALOUS	MAGENTA	5(13,21)	0.01-0.50	>83.01	>72.01	>59.01	>201	>201	>7.01	>8.01	>11.01
ANOMALOUS	RED	4(12,20)	0.51-1.00	77.01-83.00	68.01-72.00	57.01-59.00	156-200	156-200	5.01-7.00	6.01-8.00	9.01-11.00
ABOVE AVERAGE	CYAN	3(11,19)	1.01-2.00				106-155	116-156	3.01-5.00	5.01-6.00	8.01-9.00
THRESHOLD	BLUE	1(9,17)	2.01-3.00								
BACKGROUND	BLACK	7(15,23)	>3.01	0.01-77.00	0.01-68.00	0.01-57.00	0.01-105	0.01-115	0.01-3.00	0.01-5.00	0.01-8.00
(micromine colour file)			#5	#21	#22	#23	#31	#32	#61	#62	#63

RESULT	COLOUR		ACNK	ALUM	ALUM	ALUM	ISHIK	LOI	ZN/NA2O	(Cu/Cu+Zn) * 100	S
		Acad layer	INDEX	INDEX(FEL)	INDEX(INT)	INDEX(MAF)	INDEX				>1000
HIGHLY ANOMALOUS	MAGENTA	5(13,21)	>1.51	>290.01	>250.01	>210.01	80.01-100.00	>11.01	>200.01	>75.01	500-1000
ANOMALOUS	RED	4(12,20)	1.31-1.50	240.01-290	220.01-250	190.01-210	60.01-80.00	10.01-11.00	87.01-200	55.01-75.00	250-500
ABOVE AVERAGE	CYAN	3(11,19)	1.01-1.30					8.01-10.00	59.01-87	32.01-55.00	
THRESHOLD	BLUE	1(9,17)									0-250
BACKGROUND	BLACK	7(15,23)	0.01-1.00	0.01-240	0.01-220	0.01-190	0.01-60.00	0.01-8.00	0.01-59	0.01-32.00	
(micromine colour file)			#10	#41	#42	#43	#9	#8	#33	#3	#7

RESULT	COLOUR		K2O(FEL)	K2O(INT)	K2O(MAF)	CAO(FEL)	CAO(INT)	CAO(MAF)	FE2O3(FEL)	FE2O3(INT)	FE2O3(MAF)
		Acad layer									
HIGHLY ANOMALOUS	MAGENTA	5(13,21)	>5.01	>4.01	>3.01	>10.01	>10.51	>13.01	>9.01	>11.01	>19.01
ANOMALOUS	RED	4(12,20)	3.51-5.00	3.01-4.00	2.01-3.00	8.01-10.00	9.01-10.50	11.01-13.00	7.01-9.00	9.01-11.00	17.01-19.00
AVERAGE	BLACK	7(15,23)	1.51-3.50	1.01-3.00	0.26-2.00	2.01-8.00	2.01-9.00	3.01-11.00	5.01-7.00	8.01-9.00	15.01-17.01
BELOW AVERAGE	BLUE	1(9,17)	0.50-1.50	0.26-1.00	0.11-0.25	0.51-2.00	0.76-2.00	2.01-3.00			
HIGHLY BELOW AVE.	CYAN	3(11,19)	0.01-0.50	0.01-0.25	0.01-0.10	0.01-0.50	0.01-0.75	0.01-2.00	0.01-5.00	0.01-8.00	0.01-15.00
(micromine colour file)			#81	#82	#83	#91	#92	#93	#71	#72	#73

Appendix G - Drilling Costs

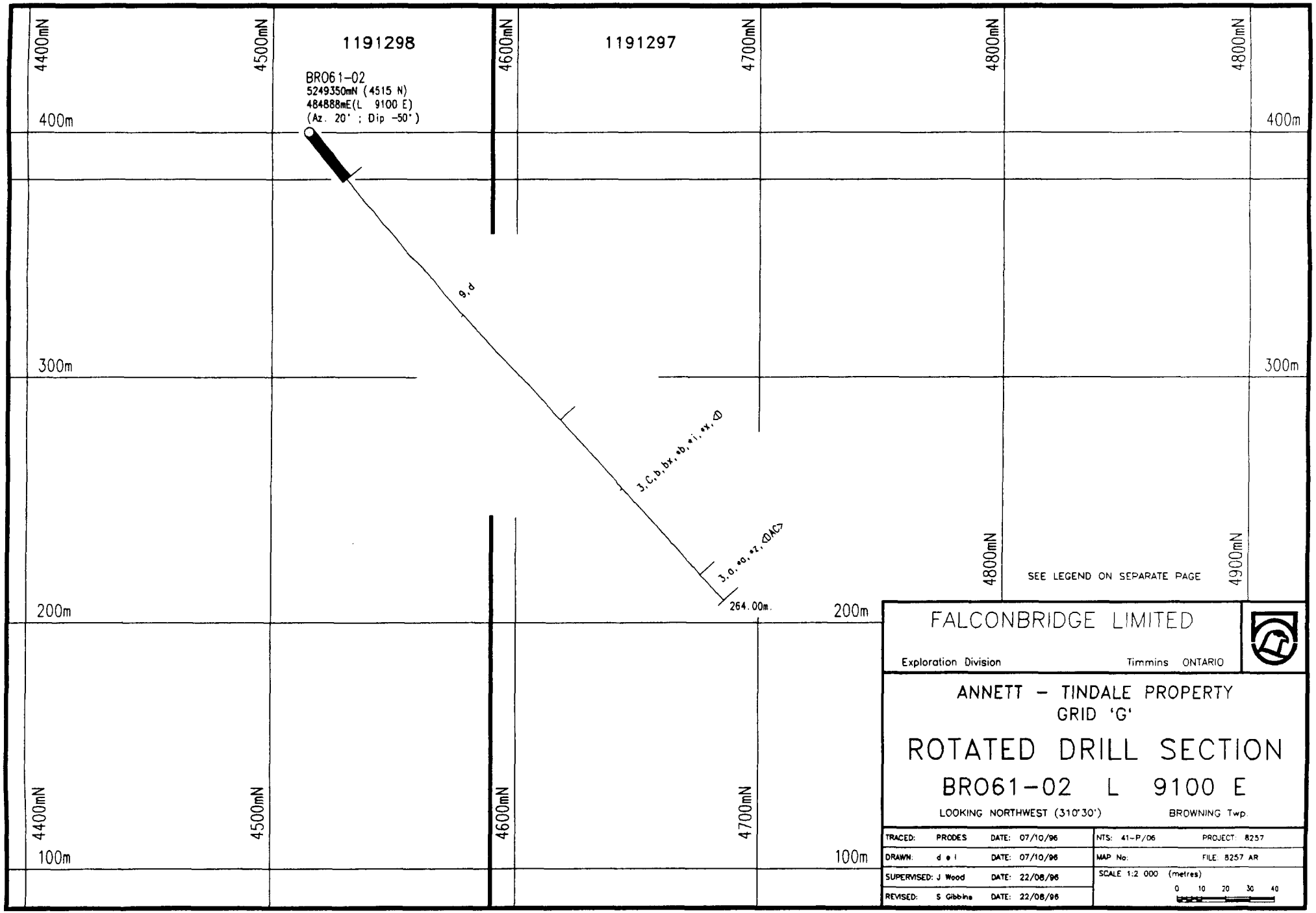
Annett-Tindale Option - Winter 1996 Diamond Drilling Program

Hole #	Days Drilled	Total Length	OB Length	Drilling	Piping	Casing	Mob/De-Mob	Boxes	Tests	Other	Direct Drilling	Direct Drilling	Salaries	Field Expences	Sample Analysis	ALL UP COSTS	ALL UP COSTS
		m	m	$	$	$	$	$5.25 ea	$65 ea	$	$	$/m	$/hole	$/hole	$/hole	$	$/m
BRO61-02	5	264.00	25	10715.50	1180.00	1154.00	2000.00	209.13		1289.00	16547.63	62.68	2143.05	1363.36	148.87	20202.90	76.53
BRO61-03	5	272.00	42	10333.50	2172.00	1834.00		201.25		1000.00	15540.75	57.14	2143.05	1363.36	133.98	19181.14	70.52
AMY45-01	5	230.00	4	10260.00		314.00		201.25			10775.25	46.85	2143.05	1363.36	119.09	14400.75	62.61
AMY35-01	4	236.00	12	10534.50		634.00		206.50			11375.00	48.20	1714.44	1090.69	29.77	14209.90	60.21
AMY35-02	4	248.00	3	11083.50		274.00		217.00			11574.50	46.67	1714.44	1090.69	163.75	14543.38	58.64
AMY45-02	4	281.00	6	12593.25		418.00		245.88			13257.13	47.18	1714.44	1090.69	327.50	16389.76	58.33
AMY45-03	4	152.00	6	6691.50		0.00		133.00		540.00	7364.50	48.45	1714.44	1090.69	297.73	10467.36	68.86
AMY35-03	4	224.00	6	9985.50		394.00		196.00			10575.50	47.21	1714.44	1090.69	401.94	13782.56	61.53
BRO62-01	4	233.00	24	9341.25	1128.00	1114.00		182.88		720.00	12486.13	53.59	1714.44	1090.69	446.60	15737.85	67.54
BRO41-05	4	257.00	93	7403.25	6030.00	5841.00		143.50	195.00	528.00	20140.75	78.37	1714.44	1090.69	342.39	23288.27	90.62
BRO52-02	4	392.00	56	15368.50	3125.00	2434.00		294.00	195.00		21416.50	54.63	1714.44	1090.69	431.71	24653.34	62.89
BRO52-03	3	332.00	54	12606.50	2985.00	2314.00		243.25		675.00	18823.75	56.70	1285.83	818.02	774.10	21701.70	65.37
BRO52-04	3	260.00	21	10708.50	972.00	994.00	1500.00	209.13		324.00	14707.63	56.57	1285.83	818.02	253.07	17064.55	65.63
BRO62-02	5	147.00	30	9493.60	3987.60	8718.80		137.50	165.00	1183.00	23685.50	161.13	1721.85	847.46	282.72	26537.53	180.53
BRO52-05	3	243.00	65	9306.40	2586.00	5689.96		225.00	220.00		18027.36	74.19	2817.57	1386.75	535.68	22767.36	93.69
BRO41-06	3	276.00	25	12902.00	987.00	1917.92	1640.00	262.50	275.00		17984.42	65.16	3287.17	1617.86	133.93	23023.38	83.42
TOTAL	**64**	4047.00	471.66	169327.25	25152.60	34045.68	5140.00	3307.77	1050.00	6259.00	244282.30	60.36	30542.92	18303.67	4822.83	297951.72	73.62

Direct Drilling includes: Overburden drilling (piping), Casing, Mob/de-mob, Boxes, Tests, and Other.

Other includes: Propane, Ice Bridge, Snow Ploughing, Stand-by Time

Appendix H - DDH Logs and 1:2000 Sections



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'G'

ROTATED DRILL SECTION

BR061-02 L 9100 E

LOOKING NORTHWEST (310°30') — BROWNING Twp.

TRACED:	PRODES	DATE: 07/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 07/10/96	MAP No:	FILE: 8257 AR
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 22/08/96	0 10 20 30 40	

HOLE NUMBER: BRO61-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191299
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5249364.00N
EAST: 484897.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid G
NORTH: 45+15N
EAST: 91+ 0E
ELEV: 400.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 264.00M
START DEPTH: 0.00M
FINAL DEPTH: 264.00M

COLLAR ASTRONOMIC AZIMUTH: 20° 0' 0"

GRID ASTRONOMIC AZIMUTH: 40°30' 0"

DATE STARTED: 01/23/1996
DATE COMPLETED: 01/27/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 484897mE,5249364mN

COMMENTS : Targetted on weak AEM and Max Min anomaly
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
120.00	0° 0' 0"	-45° 0' 0"	A	DO	
180.00	0° 0' 0"	-45° 0' 0"	A	DO	
263.00	0° 0' 0"	-46° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	_	_	-	-	
-	_	_	-	-	
-	_	_	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 25.00	«|OB|» Casing Overburden					
25.00 TO 161.20	«9,d» Felsic Intrusive quartz-feldspar Phyric	Massive, locally pink, but typically creamy green, medium to coarse grained, moderately foliated at 65° to CA. Possibly granodiorite? Quartz more rare after 65 m (≈5%). Lower contact at 30° to CA. |86.00-86.20|«|S2 60°|» Foliation 105.30-106.40 «8,a» Intermediate Intrusive fine grained, |118.80-142.30|«8,b,m,<AND>» Intermediate Intrusive medium grained, massive, andesite, chilled border flow-banded border phases at 20° and 40° to CA.		Weak sericite, locally hematitic |118.80-142.30|«CbFW» weak, fracture/vein controlled, carbonatization	25.00-118.80 Barren 118.80-142.30 Baren	
161.20 TO 249.00	«3,C,b,bx,*b,*i,*x,<DAC>» Heterolithic Volcanic medium grained breccia lapilli tuff matrix supported frag. (maf>fel) dacite	Light creamy green, mottled, with 2-5% white 1-2 cm rhyolitic fragments and 5-15% 2-5 cm mafic fragments in dacitic-looking tuffaceouos to fragmental matrix. Mafic fragments are angular. Moderately foliated at 25-35° to CA |198.00-205.70|«9,b,<GRD>» Felsic Intrusive medium grained, granodiorite, dyke with contacts at 70° to CA. Locally brecciated. |214.00-214.50|«|S2 28°|moderate» Foliation		|161.20-198.00|«SePM ,BlPW» moderate, pervasive, sericitization; weak, pervasive, bleaching |198.00-205.70|«SiFM» moderate, fracture/vein controlled, silicification |205.70-239.00|«SePM ,BlPW» moderate, pervasive, sericitization; weak, pervasive, bleaching |239.00-249.00|«SePW» weak, pervasive, sericitization	|161.20-186.00|«Py01.0%» 1.0% disseminated/blebby pyrite concentrated in the more mafic and darker fragments 198.00-205.70 Barren 205.70-249.00 Barren	
249.00 TO 264.00	«3,a,*a,*z,<DAC>» Intermediate Volcanic fine grained tuff lithic tuff dacite	Medium greyish green, fine grained tuff, moderately foliated at 45° to CA. Similiar in appearance to matrix of overlying breccia. Contact is sharp, subparelled to foliation at 40° to CA and marked by an absence of large mafic angular clasts and the smaller, rounded felsic clasts. Darker in colour.		|249.00-264.00|«SeFW» weak, fracture/vein controlled, sericitization	249.00-264.00 Barren	

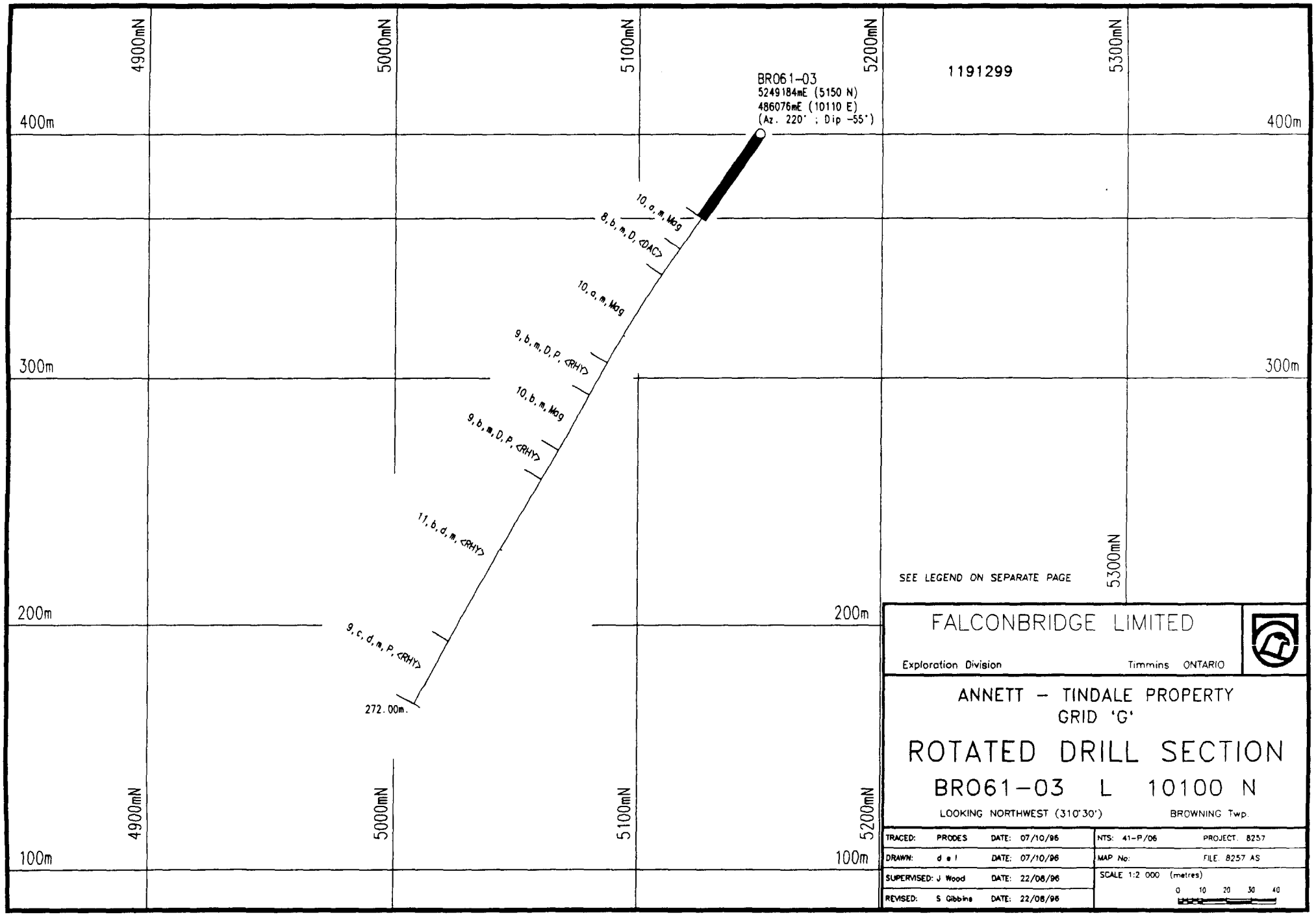
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		254.00-254.50 || S2 40° |Moderate» Foliation				
264.00 TO 264.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01351	25.00	28.00	3.00	70.17	13.01	3.29	0.89	3.31	1.80	3.12	0.36	0.10	0.05	0.03	4.14	100.27	24	166		10	35	15		9,b,d	9(j)B	155
AT01352	55.00	58.00	3.00	67.32	13.59	4.32	0.64	1.96	2.98	2.06	0.36	0.10	0.05	0.03	5.09	98.50	20	178		115	20	<5		9,b,d	9jB	147
AT01353	85.00	88.00	3.00	64.65	12.96	6.28	1.11	2.58	2.22	3.47	0.33	0.08	0.07	0.04	6.96	100.75	22	150		15	40	20		9,b,d	9(j)B	117
AT01354	131.00	134.00	3.00	46.84	12.78	8.61	6.50	1.86	0.08	11.94	0.83	0.10	0.16	0.03	10.95	100.68	14	36		45	60	95		8,b,m,<AND>	7hu!	121
AT01355	162.00	165.00	3.00	62.69	13.73	3.95	1.72	3.04	1.30	3.53	0.35	0.12	0.06	0.01	7.18	97.68	8	82		40	35	15		3,C,bx,*b,*x	4jA	166
AT01356	192.00	195.00	3.00	56.90	14.39	6.40	2.45	3.10	1.84	4.27	0.35	0.10	0.10	0.01	10.31	100.22	10	90		35	35	35		3,C,bx,*b,*x	4jAl	127
AT01357	222.00	225.00	3.00	59.67	15.71	4.38	1.64	3.78	1.48	3.91	0.39	0.12	0.06	0.01	7.48	98.63	12	104		45	35	35		3,C,bx,*b,*x	4jA	163
AT01358	245.00	248.00	3.00	60.70	15.64	4.94	1.85	2.45	1.54	4.56	0.34	0.10	0.08	0.02	8.19	100.41	10	70		35	45	10		3,C,bx,*b,*x	4jAl	175
AT01359	251.00	254.00	3.00	59.43	15.94	4.25	1.82	2.86	1.20	4.02	0.34	0.10	0.06	0.02	7.80	97.84	8	86		55	35	20		3,b,*a,*z,<DAC>	4jA	192
AT01360	261.00	264.00	3.00	61.86	15.39	4.55	1.79	4.06	0.80	3.86	0.32	0.10	0.06	0.01	6.28	99.08	8	84		40	40	30		3,b,*a,*z,<DAC>	4jA	164

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	NF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01351	25.00	28.00	3.00				-	-	5	-	100	35																	
AT01352	55.00	58.00	3.00				-	-	<5	-	100	55																	
AT01353	85.00	88.00	3.00				-	-	10	-	100	45																	
AT01354	131.00	134.00	3.00				-	-	40	-	200	295																	
AT01355	162.00	165.00	3.00				-	-	15	-	1600	95																	
AT01356	192.00	195.00	3.00				-	-	15	-	100	75																	
AT01357	222.00	225.00	3.00				-	-	20	-	1000	85																	
AT01358	245.00	248.00	3.00				-	-	15	-	<100	75																	
AT01359	251.00	254.00	3.00				-	-	15	-	1000	90																	
AT01360	261.00	264.00	3.00				-	-	20	-	<100	75																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01351	25.00	28.00	3.00														2						7		0.40	0.25	17	29	11
AT01352	55.00	58.00	3.00														1						7		0.42	0.32	8	37	10
AT01353	85.00	88.00	3.00														<1						6		0.43	0.48	18	27	16
AT01354	131.00	134.00	3.00														<1						38		0.56	0.67	15	39	32
AT01355	162.00	165.00	3.00														<1						10		0.54	0.29	9	30	12
AT01356	192.00	195.00	3.00														<1						10		0.58	0.44	14	31	11
AT01357	222.00	225.00	3.00														<1						11		0.50	0.28	21	28	9
AT01358	245.00	248.00	3.00														<1						11		0.49	0.32	5	31	18
AT01359	251.00	254.00	3.00														<1						11		0.52	0.27	11	30	12
AT01360	261.00	264.00	3.00														<1						11		0.52	0.30	17	23	10

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01351	25.00	28.00	3.00		<5	
AT01352	55.00	58.00	3.00		15	
AT01353	85.00	88.00	3.00		<5	
AT01354	131.00	134.00	3.00		<5	
AT01355	162.00	165.00	3.00		5	
AT01356	192.00	195.00	3.00		<5	
AT01357	222.00	225.00	3.00		5	
AT01358	245.00	248.00	3.00		<5	
AT01359	251.00	254.00	3.00		<5	
AT01360	261.00	264.00	3.00		<5	


4900mN
5000mN
5100mN
5200mN
5300mN
400m
300m
200m
100m
BR061-03
5249184mE (5150 N)
486076mE (10110 E)
(Az. 220° ; Dip -55°)
1191299
10, a, m, Mag
8, b, m, D, <DAC>
10, a, m, Mag
9, b, m, D, P, <RHY>
10, b, m, Mag
9, b, m, D, P, <RHY>
11, b, d, m, <RHY>
9, c, d, m, P, <RHY>
272.00m.
SEE LEGEND ON SEPARATE PAGE
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT - TINDALE PROPERTY
GRID 'G'
ROTATED DRILL SECTION
BR061-03 L 10100 N
LOOKING NORTHWEST (310°30')
BROWNING Twp.
TRACED: PRODES DATE: 07/10/96
DRAWN: d e l DATE: 07/10/96
SUPERVISED: J Wood DATE: 22/08/96
REVISED: S Gibbins DATE: 22/08/96
NTS: 41-P/06
PROJECT: 8257
MAP No:
FILE: 8257 AS
SCALE 1:2 000 (metres)
0 10 20 30 40

HOLE NUMBER: BR061-03

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191299
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5249184.00N
EAST: 486076.00E
ELEV: 400.00

ALTERNATE COORDS GRID: GRID G
NORTH: 51+50N
EAST: 101+ 0E
ELEV: 400.00

COLLAR DIP: -55° 0' 0"
LENGTH OF THE HOLE: 272.00M
START DEPTH: 0.00M
FINAL DEPTH: 272.00M

COLLAR ASTRONOMIC AZIMUTH: 220° 0' 0"

GRID ASTRONOMIC AZIMUTH: 40°30' 0"

DATE STARTED: 01/30/1996
DATE COMPLETED: 02/03/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: NOREX
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 486076mE,5249184mN

COMMENTS : Targetted on weak AEM and moderate Max Min conduct
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-55° 0' 0"	A	DO	
120.00	0° 0' 0"	-61° 0' 0"	A	DO	
180.00	0° 0' 0"	-59° 0' 0"	A	DO	
240.00	0° 0' 0"	-61° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 42.00	«|OB|» Casing Overburden					
42.00 TO 57.60	«10,a,m,Mag» Diabase fine grained massive magnetite	Weakly magnetic. 57.60-57.60 Contact at 80° to CA.			Barren	
57.60 TO 70.60	«8,b,m,D,<DAC>» Intermediate Intrusive medium grained massive feldspar phyric dacite	Massive, dark greenish grey, with orange-pink patchy discoloration (hematite), moderate to strong foliation at 10° to CA. Stretched feldspar crystals but no quartz. |63.00-63.50|«|S2 10°|strong» Foliation		57.60-70.60 «HePW» weak, pervasive, hematization		
70.60 TO 112.80	«10,a,m,Mag» Diabase fine grained massive magnetite	Upper contact at 20° to CA. Lower contact at 40° to CA. Contacts are fine grained. 70.60-75.00 «Broken core» |74.60-77.50|«|FAI|» Fault |107.80-109.00|«|FAI|» Fault		70.60-112.80 «EpSM» moderate, spotty, epidotization in patches up to 40 cm.	Barren	
112.80 TO 127.80	«9,b,m,D,P,<RHY>» Felsic Intrusive medium grained massive feldspar phyric porphyritic rhyolite	Medium grey, well foliated at 20° to CA, feldspar phyric and quartz amygdaloidal(?) massive rhyolite. Feldspar crystals and amygdules are 1-2 mm in size, and flattened parallel to foliation. 25% feldspar crystals. |116.00-116.10|«|S2 20°|MOD» Foliation		|112.80-127.80|«CbPM ,SePW» moderate, pervasive, carbonatization; weak, pervasive, sericitization. Carbonate is concentrated along foliation planes.	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
127.80 TO 153.10	«10,b,m,Mag» Diabase medium grained massive magnetite	Contacts are fine grained. Upper contact is at 70° to CA, 90° to foliation. Lower contact is at 50° to CA and cross-cuts foliation. ┤138.50-143.00├«FAI ├Br. core» Fault		None	Barren	
153.10 TO 167.00	«9,b,m,D,P,<RHY>» Felsic Intrusive medium grained massive feldspar phyric porphyritic rhyolite	Same as previous rhyolitic unit above previous diabase. Well foliated, with 20-25% feldspar crystals 1-3 mm in size. Medium grey and massive. Foliation at 20° to CA. ┤161.00-161.50├«S2 20° ├MOD» Foliation		┤153.10-180.00├«CbPM ,SePW» moderate, pervasive, carbonatization; weak, pervasive, sericitization concentrated parallel to foliation.	Barren.	
167.00 TO 242.80	«11,b,d,m,<RHY>» Schist medium grained quartz-feldspar Phyric massive rhyolite	Is interpreted to be the same unit as previous unit, however foliation (shearing) and possibly alteration has destroyed all primary evidence of feldspars. Upper contact is gradational over 6 m (161 -167 m) and is marked by an increase in foliation strength and the completed stretching of feldspars. Quartz crystals are rare. Unit appears to 'become' downhole a sericite schist and with the absence of distinct crystals, the unit looks like a well foliated fine ash tuff. Medium to light greyish green. Well foliated at 10-20° to CA. ┤174.00-174.50├«S2 18° ├STRONG» Foliation ┤177.30-178.50├«9,a,m,<RHY>» Felsic Intrusive fine grained, massive, rhyolite, contacts at 80° to core axis. Light grey, slightly pink, in colour. Not foliated. ┤192.90-205.30├«9,a,m,<RHY>» Felsic Intrusive fine grained, massive, rhyolite, same as above dyke. Contacts are at 45° to CA. Not foliated.		┤167.00-242.80├«SePS ,CbPW,CbFW» strong, pervasive, sericitization; weak, pervasive, carbonatization; weak, fracture/vein controlled, carbonatization	167.00-242.80 «Py00.1%,» 0.1% disseminated/blebby pyrite 177.30-178.50 «Py01.0%,» 1.0% disseminated/blebby pyrite 192.90-205.30 Barren	

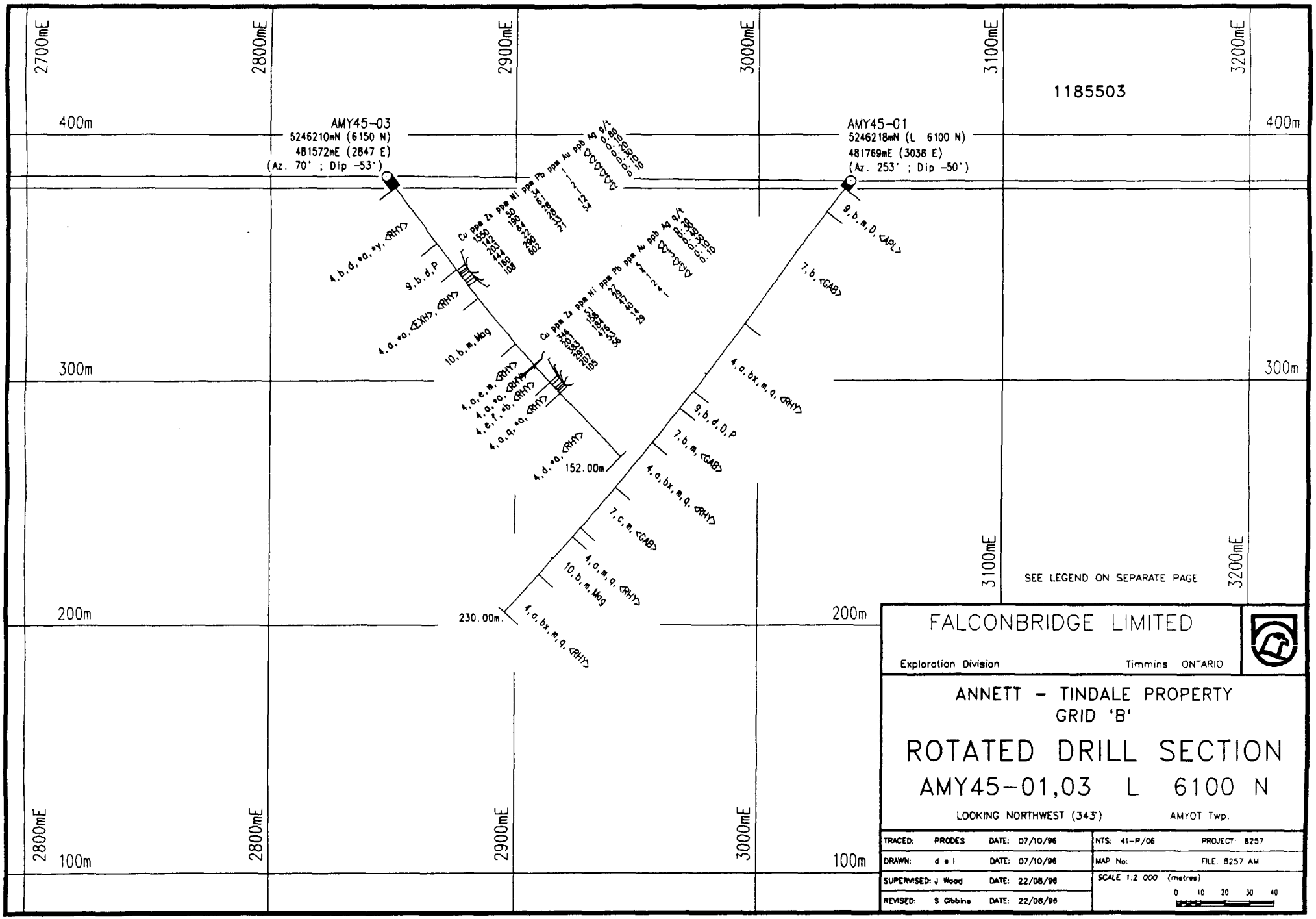
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		⟨206.00-206.50⟩«⟨S2 20°⟩STRONG» Foliation				
		⟨239.00-239.50⟩«⟨S2 25°⟩STRONG» Foliation				
242.80 TO 272.00	«9,c,d,m,P,<RHY>» Felsic Intrusive coarse grained quartz-feldspar Phyric massive porphyritic rhyolite	20% large (5 mm) blue-white quartz eyes. Upper contact is 55° to CA, sub-parallel to foliation. Medium greyish-green, moderately foliated at 40° to CA. 266.40-267.60 «9,a,<APL>» Felsic Intrusive fine grained, aplite,		⟨242.80-272.00⟩«SePW ,CbPW» weak, pervasive, sericitization; weak, pervasive, carbonatization	242.80-272.00 «PyD1.0%,» 1.0% disseminated/blebby pyrite, very fine	
272.00 TO 272.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA2O %	K2O %	FE203 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01361	59.00	62.00	3.00	67.24	14.55	1.66	1.19	5.67	1.86	4.48	0.43	0.14	0.07	0.08	1.77	99.14	18	144		25	15	10		8,b,m,D,<DAC>	9jA	158
AT01362	119.00	122.00	3.00	68.75	14.20	2.25	0.87	4.23	1.58	4.73	0.41	0.12	0.06	0.03	3.35	100.58	16	128		15	20	30		9,b,D,e,m	9jA	176
AT01363	155.00	158.00	3.00	53.11	11.96	7.64	6.02	3.71	0.08	8.25	0.88	0.36	0.13	0.08	8.44	100.66	18	106		90	70	105		9,b,D,e,m	7(j)yB	105
AT01364	170.00	173.00	3.00	63.00	14.38	3.94	0.85	3.45	2.10	4.45	0.47	0.14	0.07	0.03	4.80	97.68	14	124		30	50	15		9,*t,b,D,<RHY>	9jA	152
AT01365	177.30	178.50	1.20	61.96	14.76	4.61	2.14	4.91	1.22	4.27	0.43	0.24	0.06	0.05	4.74	99.39	12	130		20	50	30		9,b,m,<RHY>	9jA	137
AT01366	190.00	193.00	3.00	63.22	14.12	4.97	1.17	2.47	2.56	4.26	0.45	0.12	0.08	0.01	5.94	99.37	12	132		40	45	20		9,*t,b,D,<RHY>	9jA	141
AT01367	215.00	218.00	3.00	63.54	13.97	5.34	0.97	2.26	2.18	4.18	0.42	0.12	0.09	0.04	5.98	99.09	18	136		20	40	25		9,*t,b,D,<RHY>	9jA	143
AT01368	239.00	242.00	3.00	63.93	13.14	5.04	1.28	3.07	1.30	6.69	0.41	0.10	0.16	0.01	5.68	100.81	18	124		25	50	35		9,*t,b,D,<RHY>	9(j)A	140
AT01369	257.00	260.00	3.00	69.54	14.36	2.37	1.04	4.38	1.82	3.59	0.34	0.12	0.05	0.05	3.15	100.81	12	102		5	40	10		9,c,d,m,P,<RHY>	9jA	168

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01361	59.00	62.00	3.00				-	-	10	-	<100	80																	
AT01362	119.00	122.00	3.00				-	-	10	-	100	90																	
AT01363	155.00	158.00	3.00				-	-	25	-	100	175																	
AT01364	170.00	173.00	3.00				0.1	<2	10	1	<100	90																	
AT01365	177.30	178.50	1.20				0.1	<2	10	1	2900	100																	
AT01366	190.00	193.00	3.00				0.1	<2	5	1	100	80																	
AT01367	215.00	218.00	3.00				0.1	3	10	1	200	90																	
AT01368	239.00	242.00	3.00				0.1	<2	15	1	<100	70																	
AT01369	257.00	260.00	3.00				0.1	<2	10	1	<100	85																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01361	59.00	62.00	3.00														<1						10		0.39	0.11	8	29	3
AT01362	119.00	122.00	3.00														<1						10		0.30	0.16	34	27	5
AT01363	155.00	158.00	3.00														<1						18		0.64	0.64	17	35	19
AT01364	170.00	173.00	3.00														<1						9		0.31	0.27	18	29	14
AT01365	177.30	178.50	1.20														1						9		0.54	0.31	14	26	10
AT01366	190.00	193.00	3.00														<1						9		0.39	0.35	17	33	18
AT01367	215.00	218.00	3.00														<1						10		0.35	0.38	26	29	18
AT01368	239.00	242.00	3.00														<1						11		0.31	0.38	27	24	16
AT01369	257.00	260.00	3.00														<1						6		0.41	0.17	10	30	9

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01361	59.00	62.00	3.00		10	
AT01362	119.00	122.00	3.00		<5	
AT01363	155.00	158.00	3.00		<5	
AT01364	170.00	173.00	3.00		15	
AT01365	177.30	178.50	1.20		<5	
AT01366	190.00	193.00	3.00		<5	
AT01367	215.00	218.00	3.00		10	
AT01368	239.00	242.00	3.00		5	
AT01369	257.00	260.00	3.00		10	



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT - TINDALE PROPERTY
GRID 'B'

ROTATED DRILL SECTION

AMY45-01,03 L 6100 N

LOOKING NORTHWEST (343°) — AMYOT Twp.

TRACED:	PRODES	DATE: 07/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 07/10/96	MAP No:	FILE: 8257 AM
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	0 10 20 30 40
REVISED:	S Gibbins	DATE: 22/08/96		

HOLE NUMBER: AMY45-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5246218.00N
EAST: 481769.00E
ELEV: 381.00

ALTERNATE COORDS GRID: GRID B
NORTH: 61+ 0N
EAST: 31+38E
ELEV: 381.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 230.00M
START DEPTH: 0.00M
FINAL DEPTH: 230.00M

COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 02/05/1996
DATE COMPLETED: 02/09/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: NOREX
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 481769E,5246218N

COMMENTS : Targeted on southern half of a moderate deep Max M
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-53° 0' 0"	A	DO	
110.00	0° 0' 0"	-51° 0' 0"	A	DO	
225.00	0° 0' 0"	-45° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 4.00	«|OB|» Casing Overburden					
4.00 TO 16.20	«9,b,m,D,<APL>» Felsic Intrusive medium grained massive feldspar phyric aplite	Pinkish white, 5% 2 mm white feldspar crystals 3-5% dark green 1 mm feldspar crystals, massive, no quartz eyes so interpreted to be not a rhyolite. Lower contact at 70° to CA.		None.	Barren.	
16.20 TO 73.80	«7,b,<GAB>» Mafic Intrusive medium grained gabbro	Weakly patchy zones 5 to 10 cm thick of coarser and finer zones; not massive-looking. Distinct gabbro textures. Medium greyish green. 20.15-21.95 «7,a,<GAB>» Mafic Intrusive fine grained, gabbro, moderately foliated at 70° to CA. 51.00-52.00 «7,a,m» Mafic Intrusive fine grained, massive, contacts at 45° to CA, dark grey. 52.00-61.00 «7,c,m,<GAB>» Mafic Intrusive coarse grained, massive, gabbro, with sharp, but not chilled contacts 61.40-62.50 «7,a,<GAB>» Mafic Intrusive fine grained, gabbro, with contacts at 80° to CA. 62.50-73.80 «7,b,<GAB>» Mafic Intrusive medium grained, gabbro, weakly patchy with finer and coarser zones, similiar to gabbro described above previous unit.		None. 20.15-21.95 «CbFM» moderate, fracture/vein controlled, carbonatization 37.00-37.20 «SiFS» strong, fracture/vein controlled, silicification 61.40-62.50 «CbFM» moderate, fracture/vein controlled, carbonatization	Barren 37.00-37.20 «CpD4.0%,PyD3.0%,» 4.0% disseminated/blebby chalcopyrite; 3.0% disseminated/blebby pyrite in quartx vein. 52.00-61.40 Barren 61.40-62.50 Barren 62.50-73.80 Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
73.80 TO 108.90	«4,a,bx,m,q ,<RHY>» Felsic Volcanic fine grained breccia massive quartz phyric rhyolite	Medium grey massive rhyolite, locally brecciated (auto-brecciated) with 10 - 15% rhyolite xenoliths(?). Xenoliths/fragments are subangular and massive fine grained rhyolite. Brecciation locally is due to strong pervasive silcification. 10 - 15% white 1 - 2 mm quartz crystals Feldspar crystals/phenocrysts not noted. Upper contact is at 90° to CA. 80.10-81.10 «7,a,<GAB>» Mafic Intrusive fine grained, gabbro, upper contact at 40° to CA, lower contact at 90° to CA. 85.10-87.30 «7,b,m,<GAB>» Mafic Intrusive medium grained, massive, gabbro, upper contact chilled and irregular 30° to CA, lower contact also chilled and irregular. ┤107.90-108.70├«┤FAI├Quartz» Fault		Pervasive silica flooding and brecciation, varies from weak to strong. ┤73.80-93.26├«SiPW ,ChFW» weak, pervasive, silicification; weak, fracture/vein controlled, chloritization ┤93.26-98.20├«SiPM ,ChFW» moderate, pervasive, silicification; weak, fracture/vein controlled, chloritization ┤98.20-98.80├«SiPW» weak, pervasive, silicification ┤98.80-99.10├«SiFS» strong, fracture/vein controlled, silicification ┤99.10-101.50├«SiPW» weak, pervasive, silicification ┤101.50-108.90├«SiPM ,SeFS» moderate, pervasive, silicification; strong, fracture/vein controlled, sericitization	73.80-93.26 Barren 80.10-81.10 Barren 85.10-87.30 Barren ┤93.26-101.50├«PyD2.0%» 2.0% disseminated/blebby pyrite ┤101.50-108.70├«PoD2.0%,PyD2.0%» 2.0% disseminated/blebby pyrrhotite; 2.0% disseminated/blebby pyrite	
108.90 TO 118.30	«9,b,d,D,P» Felsic Intrusive medium grained quartz-feld spar Phyric feldspar phyric porphyritic	Light greenish-grey, with 35-45% feldspar crystals, 2-8 mm in size, and 3-5% blue-white quartz crystals 4-7 mm in size. Very feldspar-rich. Massive. Upper contact is chilled and at 80° to CA. Lower contact is at 45° to CA.		118.90-118.30 «SePW» weak, pervasive, sericitization	Barren.	
118.30 TO 136.40	«7,b,m,<GAB >» Mafic Intrusive medium grained	Chilled upper contact at 45° to CA. Lower contact is healed breccia, locally chilled, at 80° to CA.		None.	Barren.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	massive gabbro					
136.40 TO 160.60	«4,a,bx,m,q,<RHY>» Felsic Volcanic fine grained breccia massive quartz phyric rhyolite	Same unit as previous rhyolite breccia. Dark grey, with lighter sections. 3-5% quartz crystals 2-3 mm in size. 15% fragments/autobreccia(?). 158.00-159.00 «FAI» Fault		136.40-160.60 «SiPW ,SeFW,ChPW» weak, pervasive, silicification; weak, fracture/vein controlled, sericitization; weak, pervasive, chloritization. Where most intense, fragments are enhanced.	136.40-160.60 «Py02.0%,PoF1.0%» 2.0% disseminated/blebby pyrite; 1.0% fracture/vein controlled pyrrhotite	
160.60 TO 182.60	«7,c,m,<GAB>» Mafic Intrusive coarse grained massive gabbro	Dark green and white, equigranular, upper and lower contacts are chilled, and at 50° and 40° to CA, respectively.		None 174.45-174.90 «SiFS» strong, fracture/vein controlled, silicification	Barren 174.45-174.90 «GnF2.0%,PyF5.0%,CpF1.0%» 2.0% fracture/vein controlled galena; 5.0% fracture/vein controlled pyrite; 1.0% fracture/vein controlled chalcopyrite in massive bull quartz vein	
182.60 TO 187.70	«4,a,m,q,<RHY>» Felsic Volcanic fine grained massive quartz phyric rhyolite	Similiar to previous rhyolitic unit, but fragments and brecciation not as apparent Dark grey, locally light creamy greenish grey, with 2-3% 2-4 mm quartz crystals. Upper and lower contacts and sharp due to being intruded by gabbro and diabase dykes.		182.60-187.70 «SePS ,SiPM,EpFW» strong, pervasive, sericitization; moderate, pervasive, silicification; weak, fracture/vein controlled, epidotization	182.60-187.70 «PyF3.0%» 3.0% fracture/vein controlled pyrite	
187.70 TO 208.80	«10,b,m,Mag» Diabase medium grained massive magnetite	Upper and lower contact chilled and at 40° to CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
208.80 TO 230.00	«4,a,bx,m,q ,<RHY>» Felsic Volcanic fine grained breccia massive quartz phyric rhyolite	Same as above rhyolitic units; medium to dark grey, 2-3% 2-4 mm quartz crystals, 20-25% angular, irregular felsic fragments/auto-breccia(?).		¦208.80-230.00¦«SiPW ,SePW» weak, pervasive, silicification; weak, pervasive, sericitization, patchy.	¦208.80-230.00¦«PyD1.0%,PoD1.0%» 1.0% disseminated/blebby pyrite; 1.0% disseminated/blebby pyrrhotite	
230.00 TO 230.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA2O %	K2O %	FE203 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01371	74.00	77.00	3.00	72.13	11.27	3.36	2.44	3.75	0.48	3.62	0.21	0.04	0.04	0.10	0.88	98.32	32	216		105	10	50		4,a,bx,m,q	4(j)B	148
AT01372	93.00	96.00	3.00	72.86	12.53	3.49	1.40	3.64	1.74	3.65	0.24	0.06	0.07	0.12	0.63	100.43	38	230		40	50	50		4,a,bx,m,q	4(j)B	141
AT01373	104.00	107.00	3.00	70.64	12.52	3.78	1.17	3.29	1.92	3.14	0.22	0.06	0.06	0.14	0.74	97.68	38	216		20	25	35		4,a,bx,m,q	4(j)B	139
AT01374	113.00	116.00	3.00	66.86	14.86	3.96	1.39	5.39	1.02	3.66	0.35	0.12	0.05	0.06	1.99	99.71	10	114		<5	25	15		9,b,d,D,P	9JA	143
AT01375	137.00	140.00	3.00	68.25	11.57	5.19	3.08	1.77	1.08	4.60	0.26	0.04	0.06	0.09	2.78	98.77	32	186		15	20	55		4,a,bx,m,q	4(j)B	144
AT01376	149.00	152.00	3.00	70.60	12.68	4.70	2.51	1.87	2.20	4.74	0.31	0.04	0.09	0.12	1.02	100.88	36	190		55	45	35		4,a,bx,m,q	4(j)B	145
AT01377	183.00	186.00	3.00	68.24	11.76	4.81	2.54	3.26	1.42	5.84	0.25	0.04	0.12	0.09	1.30	99.67	30	176		20	65	40		4,a,m,q	4(j)B	124
AT01378	224.00	227.00	3.00	67.91	12.80	4.48	2.32	4.32	1.66	5.32	0.34	0.06	0.12	0.07	0.71	100.11	36	190		30	50	70		4,a,bx,m,q	4(j)B	122

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01371	74.00	77.00	3.00						20		100	60																	
AT01372	93.00	96.00	3.00						15		2000	50																	
AT01373	104.00	107.00	3.00						15		1000	75																	
AT01374	113.00	116.00	3.00						15		100	65																	
AT01375	137.00	140.00	3.00						15		<100	70																	
AT01376	149.00	152.00	3.00						15		100	75																	
AT01377	183.00	186.00	3.00						15		600	60																	
AT01378	224.00	227.00	3.00						15		800	80																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01371	74.00	77.00	3.00														<1						10		0.62	0.30	20	29	3
AT01372	93.00	96.00	3.00														1						9		0.48	0.28	36	31	14
AT01373	104.00	107.00	3.00														<1						9		0.47	0.30	30	30	8
AT01374	113.00	116.00	3.00														<1						7		0.47	0.27	11	20	5
AT01375	137.00	140.00	3.00														<1						13		0.62	0.45	18	37	11
AT01376	149.00	152.00	3.00														1						14		0.56	0.37	14	42	24
AT01377	183.00	186.00	3.00														<1						12		0.51	0.41	16	33	20
AT01378	224.00	227.00	3.00														<1						16		0.51	0.35	30	31	12

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01371	74.00	77.00	3.00		10	
AT01372	93.00	96.00	3.00		<5	
AT01373	104.00	107.00	3.00		<5	
AT01374	113.00	116.00	3.00		<5	
AT01375	137.00	140.00	3.00		<5	
AT01376	149.00	152.00	3.00		<5	
AT01377	183.00	186.00	3.00		<5	
AT01378	224.00	227.00	3.00		5	

2800mE 2900mE 3000mE 3100mE 3200mE 3300mE 3400mE 3500mE

1185503 1191302

400m 300m 200m 100m 0m

AMY35-01
5245024mN (4850 N)
482141mE (3045 E)
(Az. 253° ; Dip -50°)

AMY35-03
5245120mN (4915 N)
482232mE (3160 E)
(Az. 80° ; Dip -57°)

AMY35-02
5245125mN (L 4900 N)
482299mE (3225 E)
(Az. 70° ; Dip -57°)

9,b,m,<GRA>
7,b,m,<GAB>
9,b,m,<GRA>
10,b,m,Mag
9,b,m,<GRA>
10,b,m,Mag
9,b,m,<GRA>
10,b,m
236.00m.

9,b,D,P
7,a,m
4,a,m,q,<RHY>
9,c,d,m,P
Cu ppm Zn ppm Ni ppm Pb ppm Au ppb Ag g/t
4,a,m,q,<RHY>
3,f,l,xe,<DAC>
224.00m.

4,a,bx,m,q,<RHY>
4,a,e,l,m,<RHY>
9,b,d,m,P
9,b,m,D,P
3,bx,f,l,xe,<DAC>
9,b,m,D,P
4,a,m,<RHY>
9,c,d,m,P
3,bx,f,l,xe,<DAC>
248.00m.

SEE LEGEND ON SEPARATE PAGE

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

ANNETT' - TINDALE PROPERTY
GRID 'B'

ROTATED DRILL SECTION
AMY35-01,02,03 L 4900 N

LOOKING NORTHWEST (345°) AMYOT Twp.

TRACED:	PRODES	DATE: 07/10/96	NTS: 41-P/06	PROJECT: 8257	
DRAWN:	d e l	DATE: 07/10/96	MAP No:	FILE: 8257 AL	
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)		
REVISED:	S Gibbins	DATE: 22/08/96	0 10 20 30 40		

HOLE NUMBER: AMY35-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5245024.00N
EAST: 482141.00E
ELEV: 381.00

ALTERNATE COORDS GRID: Grid B
NORTH: 48+50N
EAST: 30+45E
ELEV: 381.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 236.00M
START DEPTH: 0.00M
FINAL DEPTH: 236.00M

COLLAR ASTRONOMIC AZIMUTH: 253° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 02/11/1996
DATE COMPLETED: 02/14/1976
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 482141E,5245024N

COMMENTS : Targeted on strong, deep (+80m) Max Min conductor.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-54° 0' 0"	A	DO	
120.00	0° 0' 0"	-47° 0' 0"	A	DO	
179.00	0° 0' 0"	-43° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 12.00	«|OB|» Casing Overburden					
12.00 TO 71.40	«9,b,m,<GRA>» Felsic Intrusive medium grained massive granite	Pinkish white, 15% biotite, monzogranite. Lower contact possibly chilled and at 75° to CA. 15.10-15.20 «9,a,q,m» Felsic Intrusive fine grained, quartz phyric, massive, contacts at 50° to CA. |15.20-21.90|«7,a,m,<GAB>» Mafic Intrusive fine grained, massive, gabbro, chilled contacts at unknown high angle to CA. 21.90-22.60 «10,a,m,Mag» Diabase fine grained, massive, magnetite, upper contact chilled and at 85° to CA; lower contact at 45° to CA and possibly at slip fault. Lower contact is with granite. 35.30-35.70 «10,a,b,Mag» Diabase fine grained, medium grained, magnetite, contacts at 65° to CA. |61.10-62.80|«10,a,m,Mag» Diabase fine grained, massive, magnetite, with chilled contacts at 65° to CA. |63.00-70.30|«9,a,q,m,<RH>» Felsic Intrusive fine grained, quartz phyric, massive, rhyolite(?), with possible 2% flecks of fine mica. Also contains 2-3%, 2-3 mm quartz crystals. Medium grey. Contact may be chilled and are at 85° to CA.		Fairly fresh looking, except for top 3.1 m which looks sericitized. 63.00-70.30 «SePW» weak, pervasive, sericitization	12.00-63.00 «PyF1.0-2.0%,» 1.0-2.0% fracture/vein controlled pyrite with halos of disseminated pyrite. 63.00-70.30 Barren	
71.40 TO 85.30	«7,b,m,<GAB>» Mafic Intrusive medium	medium grained massive, gabbro, with chilled contacts at 90° to CA; medium greyish green and off white.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	grained massive gabbro					
85.30 TO 113.30	«9,b,m,<GRA>» Felsic Intrusive medium grained massive granite	ǂ90.80-95.05ǂ«9,b,D,P» Felsic Intrusive medium grained, feldspar phyric, porphyritic, with 15-20% white feldspar crystals. Upper contact is not chilled, at 85° to CA. Lower contact is cross-cut by diabase intrusion at 40° to CA. ǂ95.05-99.90ǂ«10,a,m,Mag» Diabase fine grained, massive, magnetite, upper contact at 40° to CA, lower contact at 90° to CA. ǂ99.90-102.20ǂ«9,a,m,D,P» Felsic Intrusive fine grained, massive, feldspar phyric, porphyritic, same unit as above previous dyke of diabase. Lower contact is chilled against granite at 35° to CA. 112.40-112.65 «10,a,m,Mag» Diabase fine grained, massive, magnetite,			ǂ74.00-77.00ǂ«PyF2.0%» 2.0% fracture/vein controlled pyrite	
113.30 TO 140.60	«10,b,m,Mag» Diabase medium grained massive magnetite	medium grained, massive, magnetite, upper and lower contacts are chilled at 45° to CA. 120.50-124.00 «9,b,m,<GRA>» Felsic Intrusive block of medium grained, massive, granite,				
140.60 TO 160.80	«9,b,m,<GRA>» Felsic Intrusive medium grained massive granite	as above ǂ141.40-145.30ǂ«9,a,q,m» Felsic Intrusive fine grained, quartz phyric, massive, medium to light grey, with 2-3%, 2-3 mm quartz crystals, same unit as above. Upper contact is at 85° to CA. Lower contact truncated by dyke.		ǂ141.40-145.30ǂ«ChFW ,SeFW» weak, fracture/vein controlled, chloritization; weak, fracture/vein controlled, sericitization, which occurs as a broader halo around fine chlorite veinlets.		

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		┤145.30-148.15├«9,a,m,<APL>» Felsic Intrusive fine grained, massive, aplite, contacts are sharp, unchilled at 80° to CA. ┤148.15-148.30├«9,a,q,m» Felsic Intrusive fine grained, quartz phyric, massive, same as above. ┤151.15-151.20├«9,bx,<RHY>» Felsic Intrusive breccia, rhyolite, very fine grained, pinkish orange with very rounded fragments. Contact at 35° to CA. ┤152.20-160.80├«9,a,m,<APL>» Felsic Intrusive fine grained, massive, aplite, upper contact at 10° to CA, lower contact truncated by diabase. 155.10-160.80 Block of granite Chronological order of intrusives - earliest to latest: fine massive rhyolite, granite, aplite, feldspar porphyry, gabbro, diabase.				
160.80 TO 172.75	«10,b,m,Mag» Diabase medium grained massive magnetite	medium grained, massive, magnetite, contacts chilled and at 45° (upper) and 75° (lower) to CA.				
172.75 TO 213.40	«9,b,m,<GRA>» Felsic Intrusive medium grained massive granite	as above ┤183.50-189.00├«9,a,<APL>» Felsic Intrusive fine grained, aplite, upper contact at 75° to CA, lower contact at 35° to CA, both are weakly chilled. ┤200.00-202.00├«9,a,<APL>» Felsic Intrusive fine grained, aplite, upper contact at 80° to CA, lower contact at 5° to CA.				

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		┤204.90-207.10├«10,b» *Diabase* medium grained, unusually coarse grained with euhedral 1-2 mm amphibole crystals. Contacts are chilled and irregular; granite host appears fractured and brecciated. Only very weakly magnetic, but is not gabbro.				
213.40 TO 236.00	«10,b,m» Diabase medium grained massive	Dark to medium grey, relatively coarse and granular-looking diabase with 15% 1-3 mm euhedral amphibole crystals, upper contact is brecciated and irregular with granite. Same unit as previous dyke within granite. Only weakly magnetic.				
236.00 TO 236.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01379	65.00	68.00	3.00	74.40	12.52	2.18	0.18	4.32	1.40	2.51	0.11	0.04	0.05	0.12	1.34	99.17	24	138		15	25	<5		9,a,q,m	9(])B	158
AT01380	142.00	145.00	3.00	75.59	12.25	2.18	0.45	4.74	1.58	2.31	0.10	0.04	0.04	0.08	1.41	100.77	22	140		25	10	195		9,a,q,m	9(])B	144

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01379	65.00	68.00	3.00						10		2200	25																	
AT01380	142.00	145.00	3.00						5		1400	15																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01379	65.00	68.00	3.00														<1						6		0.14	0.17	28	20	6
AT01380	142.00	145.00	3.00														<1						4		0.32	0.18	433	23	2

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01379	65.00	68.00	3.00		5	
AT01380	142.00	145.00	3.00		5	


40(
30(
20
10
0m

HOLE NUMBER: AMY35-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5245125.00N
EAST: 482299.00E
ELEV: 381.00

ALTERNATE COORDS GRID: Grid 8
NORTH: 49+ 0N
EAST: 32+25E
ELEV: 381.00

COLLAR DIP: -57° 0' 0"
LENGTH OF THE HOLE: 248.00M
START DEPTH: 0.00M
FINAL DEPTH: 248.00M

COLLAR ASTRONOMIC AZIMUTH: 70° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 02/19/1996
DATE COMPLETED: 02/22/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 482299E,5245125N

COMMENTS : Targeted on 60 m deep strong Max Min conductor.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-58° 0' 0"	A	DO	
120.00	0° 0' 0"	-54° 0' 0"	A	DO	
180.00	0° 0' 0"	-53° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 3.00	«|OB|» Casing Overburden					
3.00 TO 70.10	«4,a,bx,m,q ,<RHY>» Felsic Volcanic fine grained breccia massive quartz phyric rhyolite	Medium grey massive rhyolite, with mottled to fractured textures, locally brecciated, with rare sub-angular rhyolite fragments 1 - 3 cm in size. 2-3% 1-2 mm quarz crystals. Similar-looking rhyolite as encountered in hole AMY45-01 to the north. Lower contact may be a phase change, and is marked by the first appearance of 5-15% flatted, wispy amygdules and fragments. Lower contact at 45°. |19.86-23.30|«9,b,<APL>» Felsic Intrusive medium grained, aplite, upper contact at 40° to CA, lower contact at 50° to CA. very massive. |33.66-35.10|«7,a,<GAB>» Mafic Intrusive fine grained, gabbro, upper contact at 75° to CA; lower contact at 35° to CA. |61.10-63.75|«9,c,d,P» Felsic Intrusive coarse grained, quartz-feldspar Phyric, porphyritic, feldspar are very white and coarse; upper contact at 20° to CA, lower contact at 60° to CA. 25% 2x3 mm euhedral feldspar, 3% quartz crystals		Generally weak pervasive to patchy sericitization |16.14-28.85|«SePS ,ChFW,SiPW» strong, pervasive, sericitization; weak, fracture/vein controlled, chloritization; weak, pervasive, silicification forming a halo of alteration around aplitic dyke - dyke itself looks relatively fresh and unaltered.	very minor <1.0 fine disseminated pyrite.	
70.10 TO 85.60	«4,a,e,l,m, <RHY>» Felsic Volcanic fine grained amygdaloidal/vesicular flows (banded) massive rhyolite	Similiar to previous rhyolite, with the addition of 10-15% 1-4 mm flatted amygdules, and wispy looking fragments <1 cm in size. Amygdules are flatted at 80° to 45° to CA, suggesting dips to the west. |80.85-83.60|«4,a,m» Felsic Volcanic fine grained, massive, creamy yellow in colour with rare 1% feldspar and quartz crystals; upper contact is sharp and irregular at 30° to CA; lower contact is at 45° to CA and also sharp. Possibly a block.		weak pervasive sericite |80.85-83.60|«SePS» strong, pervasive, sericitization	1% fine disseminated pyrite within wispy fragments and flattened amygdules. 80.85-83.60 Barren.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
85.60 TO 107.35	«9,b,d,m,P» Felsic Intrusive medium grained quartz-feldspar Phyric massive porphyritic	medium greenish-grey, with 15-20% 2 mm sized off white feldspar crystals and 5-15% round 2 mm quartz crystals. Upper contac t 80° to CA. Lower 2 m is very fine and massive - possibly chilled; lower contact is at 25° to CA. 87.52-87.74 «7,b,<GAB>» Mafic Intrusive medium grained, gabbro, contacts at 80° to CA and chilled. 88.90-90.60 «7,a,m» Mafic Intrusive fine grained, massive, contacts at 40° to CA		Relatively fresh-looking, with locally weak, patchy sericite.	Barren	
107.35 TO 166.30	«9,b,m,D,P» Felsic Intrusive medium grained massive feldspar phyric porphyritic	Lighter grey than previous unit; no quartz visible and has 20% 2 mm feldsper cystals with 3% flecks of chlorite(?). Lower contact chilled and at 30° to CA.		None	Less than 1% fine disseminated pyrite.	
166.30 TO 183.60	«3,bx,f,l,*e,<DAC>» Intermediate Volcanic breccia primary fragmentals flows (banded) autoclastic /hyaloclastite dacite	Dark to medium green with 45-60% subangular to wispy fragments and shards, weakly flowbanded and amygdular, that range in size from <1x1 cm to 2x3 cm. Some brecciation appears to be primary; some due to hydrothermal processes; though unit does not appear strongly altered. Possible flow breccia. ┤173.20-177.46├«4,a,m,<RHY>» Felsic Volcanic fine grained, massive, rhyolite, possible dyke. Upper contact sharp and at 30° to CA; lower contact also sharp and at 15° to CA, weakly flow banded at contacts. Light creamy greenish grey in colour; lighter than hosting breccia.		┤166.30-173.20├«SiPM ,SePW,ChPW» moderate, pervasive, silicification; weak, pervasive, sericitization; weak, pervasive, chloritization mostly flooding throughout matrix ┤173.20-177.46├«SePM» moderate, pervasive, sericitization ┤177.46-183.60├«SePW» weak, pervasive, sericitization	┤166.30-183.60├«PyF1.0%,PyD1.0%» 1.0% fracture/vein controlled pyrite; 1.0% disseminated/blebby pyrite	
183.60 TO 234.50	«9,b,m,D,P» Felsic Intrusive medium grained	Medium grey; similiar to previous porphyry unit; upper contact is chilled and flowbanded at 40° to CA. Contains 25% 2-3 mm feldsper crystals and 3-5% chlorite flecks - almost aplitic to granitic looking. Lower 6 m are very fine grained and		weak pervasive sericite		

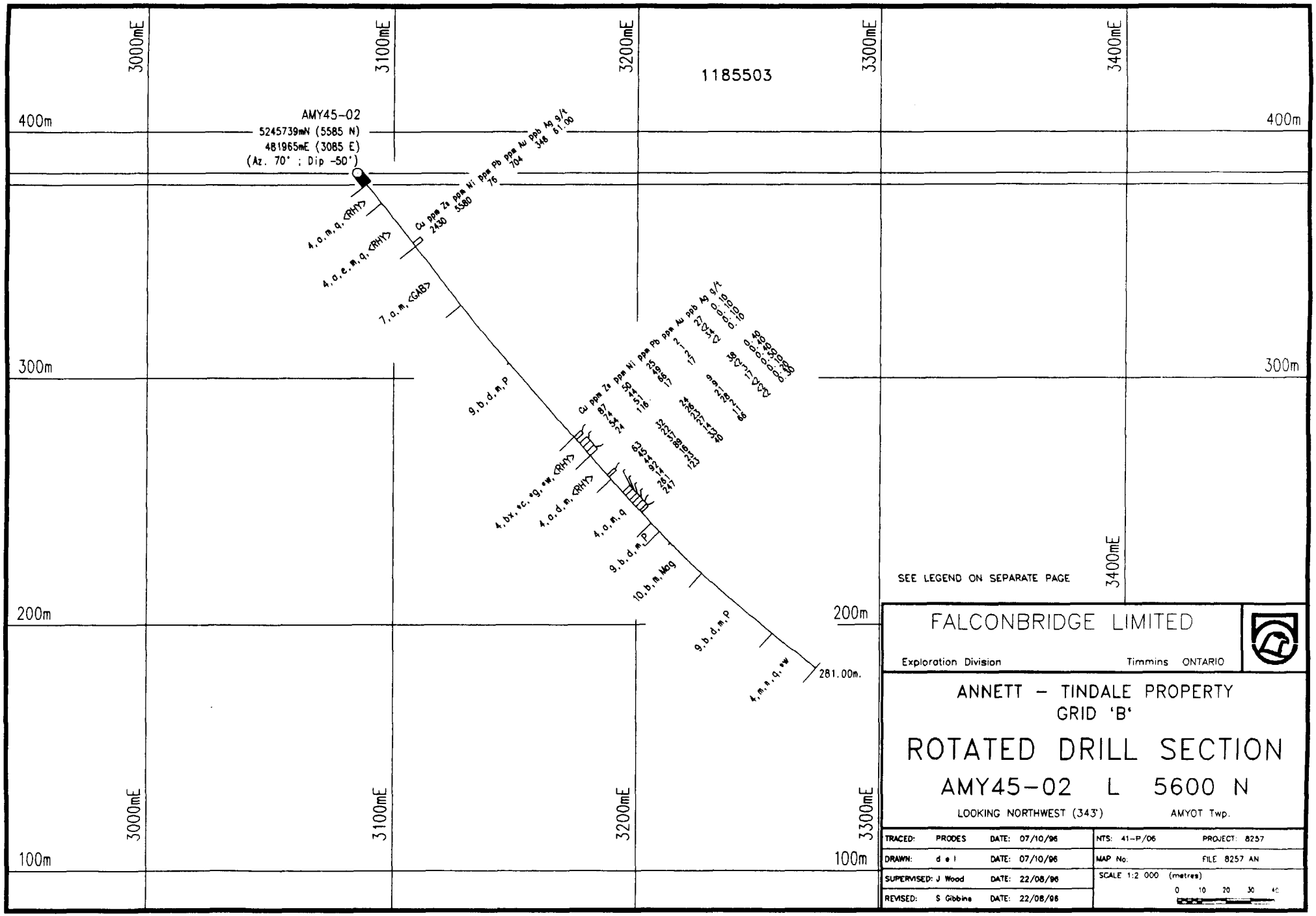
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	massive feldspar phyric porphyritic	massive, chilled, and aplitic-looking. Lower contact brecciated and irregular.				
234.50 TO 238.50	«4,a,m,<RHY>» Felsic Volcanic fine grained massive rhyolite	massive light creamy yellow grey rhylite intruced on both sides by porphyry dykes.		{234.50-238.50}«SIPS ,SePM,ChFW» strong, pervasive, silicification; moderate, pervasive, sericitization; weak, fracture/vein controlled, chloritization	Barren.	
238.50 TO 244.30	«9,c,d,m,P» Felsic Intrusive coarse grained quartz-feldspar Phyric massive porphyritic	Pinkish-grey with orange and white crystals, much coarser than previous porphyries and more quartz - two felspars cyrstals 2-5 mm in size, 15% quarts crystals 2-3 mm in size. Lower contact chilled and at 35° to CA.		Weak fracture-controlled hematite.	Barren	
244.30 TO 248.00	«3,bx,f,l,*e,<DAC>» Intermediate Volcanic breccia primary fragmentals flows (banded) autoclastic /hyaloclastite dacite	Same unit as described above previous porphyries. Medium grey with 55% wispy, irregular amygdaloidal fragments similar in appearance to matrix.		{244.30-248.00}«SIPM ,SePW,ChFW» moderate, pervasive, silicification; weak, pervasive, sericitization; weak, fracture/vein controlled, chloritization	Barren	
248.00 TO 248.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA2O %	K2O %	FE203 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01381	5.00	8.00	3.00	75.75	11.29	1.80	1.18	5.13	0.38	2.48	0.17	0.04	0.02	0.13	0.99	99.36	30	226		5	10	25		4,a,bx,m,q	4jB	154
AT01382	24.00	27.00	3.00	73.22	12.39	2.76	1.88	4.08	1.28	2.75	0.19	0.04	0.03	0.12	1.65	100.39	36	188		10	15	35		4,a,bx,m,q	4(j)B	153
AT01383	56.00	59.00	3.00	74.74	11.87	2.21	1.06	4.36	0.64	3.31	0.17	0.04	0.03	0.08	1.24	99.75	36	244		70	10	20		4,a,bx,m,q	4(j)B	165
AT01384	71.00	74.00	3.00	73.94	11.39	1.97	1.34	4.83	0.72	3.44	0.22	0.04	0.04	0.11	1.43	99.47	34	234		15	10	45		4,a,e,l,m	4(j)B	151
AT01385	95.00	98.00	3.00	73.75	13.93	1.62	0.94	5.30	1.24	1.95	0.26	0.06	0.02	0.09	1.39	100.55	64	280		20	10	<5		9,b,d,m,P	9(h)z	171
AT01386	125.00	128.00	3.00	70.60	13.62	2.02	2.46	4.16	1.26	3.53	0.37	0.10	0.05	0.05	2.28	100.50	18	166		5	40	15		9,b,m,D,P	9jA	183
AT01387	168.00	171.00	3.00	71.71	12.09	3.13	1.94	4.61	0.16	4.77	0.30	0.04	0.09	0.09	1.56	100.49	34	204		35	30	50		3,bx,f,l,*e	4(j)B	153
AT01388	174.00	177.00	3.00	76.73	12.75	1.48	1.27	4.10	1.36	1.87	0.19	0.04	0.02	0.11	1.11	101.03	26	186		10	15	<5		4,a,m	4jB	184
AT01389	180.00	183.00	3.00	59.65	15.48	2.66	5.43	2.88	0.68	9.74	0.34	0.06	0.09	0.05	3.62	100.68	42	268		10	35	45		3,bx,f,l,*e	4(j)B	249
AT01390	197.00	200.00	3.00	69.74	13.66	3.22	1.23	4.81	0.90	4.22	0.38	0.10	0.05	0.09	1.84	100.24	16	168		25	30	55		9,b,m,D,P	9jA	153
AT01391	245.00	248.00	3.00	77.77	10.65	2.02	0.82	3.93	0.68	3.12	0.21	0.06	0.03	0.12	1.25	100.66	32	270		5	10	30		3,bx,f,l,*e	4jB	161

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01381	5.00	8.00	3.00						15		100	55																	
AT01382	24.00	27.00	3.00						15		100	60																	
AT01383	56.00	59.00	3.00						10		100	60																	
AT01384	71.00	74.00	3.00						15		<100	95																	
AT01385	95.00	98.00	3.00						5		100	30																	
AT01386	125.00	128.00	3.00						5		100	50																	
AT01387	168.00	171.00	3.00						15		100	120																	
AT01388	174.00	177.00	3.00						10		<100	30																	
AT01389	180.00	183.00	3.00						25		100	65																	
AT01390	197.00	200.00	3.00						10		100	70																	
AT01391	245.00	248.00	3.00						10		200	25																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01381	5.00	8.00	3.00														1						6		0.53	0.16	21	18	2
AT01382	24.00	27.00	3.00														<1						8		0.62	0.22	19	32	4
AT01383	56.00	59.00	3.00														<1						6		0.43	0.19	19	21	2
AT01384	71.00	74.00	3.00														<1						9		0.48	0.17	34	23	2
AT01385	95.00	98.00	3.00														2						5		0.53	0.12	5	24	2
AT01386	125.00	128.00	3.00														<1						7		0.62	0.15	6	38	10
AT01387	168.00	171.00	3.00														<1						13		0.49	0.26	26	21	7
AT01388	174.00	177.00	3.00														1						4		0.62	0.12	4	32	4
AT01389	180.00	183.00	3.00														1						13		0.57	0.17	8	52	12
AT01390	197.00	200.00	3.00														<1						8		0.41	0.24	45	21	6
AT01391	245.00	248.00	3.00														<1						5		0.38	0.19	37	20	3

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01381	5.00	8.00	3.00		10	
AT01382	24.00	27.00	3.00		10	
AT01383	56.00	59.00	3.00		15	
AT01384	71.00	74.00	3.00		<5	
AT01385	95.00	98.00	3.00		15	
AT01386	125.00	128.00	3.00		<5	
AT01387	168.00	171.00	3.00		5	
AT01388	176.00	177.00	3.00		15	
AT01389	180.00	183.00	3.00		15	
AT01390	197.00	200.00	3.00		15	
AT01391	245.00	248.00	3.00		10	


3000mE
3100mE
3200mE
1185503
3300mE
3400mE
400m
AMY45-02
5245739mN (5585 N)
481965mE (3085 E)
(Az. 70° ; Dip -50°)
Cu ppm Zn ppm Ni ppm Pb ppm Au ppb Ag g/t
76 704 348 61.00
4,a,m,q,<RHY>
4,a,e,m,q,<RHY>
Cu ppm Zn ppm
2430 5380
7,a,m,<GAB>
300m
9,b,d,m,P
4,bx,sc,sg,sw,<RHY>
4,a,d,m,<RHY>
4,a,m,q
9,b,d,m,P
10,b,m,Mag
9,b,d,m,P
4,m,s,q,sw
281.00m.
200m
100m
SEE LEGEND ON SEPARATE PAGE
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT - TINDALE PROPERTY
GRID 'B'
ROTATED DRILL SECTION
AMY45-02 L 5600 N
LOOKING NORTHWEST (343°)
AMYOT Twp.
TRACED: PRODES DATE: 07/10/96
DRAWN: d e l DATE: 07/10/96
SUPERVISED: J Wood DATE: 22/08/96
REVISED: S Gibbins DATE: 22/08/96
NTS: 41-P/06
PROJECT: 8257
MAP No.
FILE 8257 AN
SCALE 1:2 000 (metres)
0 10 20 30 40

HOLE NUMBER: AMY45-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5245739.00N
EAST: 481965.00E
ELEV: 383.00

ALTERNATE COORDS GRID: Grid B
NORTH: 55+85N
EAST: 30+85E
ELEV: 383.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 281.00M
START DEPTH: 0.00M
FINAL DEPTH: 281.00M

COLLAR ASTRONOMIC AZIMUTH: 70° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 02/24/1996
DATE COMPLETED: 02/27/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: Left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 481965E,5245739N

COMMENTS : Targeted on multiple Max Min conductors, moderatel
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-51° 0' 0"	A	DO	
120.00	0° 0' 0"	-47° 0' 0"	A	DO	
180.00	0° 0' 0"	-46° 0' 0"	A	DO	
242.00	0° 0' 0"	-39° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.00	«|OB|» Casing Overburden					
6.00 TO 15.95	«4,a,m,q,<RHY>» Felsic Volcanic fine grained massive quartz phyric rhyolite	Light to medium grey, with light creamy yellow-green zones up to 2 m thick. Less than 3% quartz crystals and/or quartz-filled amygdules 1-2 mm in size		|6.00-10.50|«SiPW» weak, pervasive, silicification |10.50-15.95|«SePM» moderate, pervasive, sericitization	<1% fine disseminated pyrite, associated with quartz filled fractures.	
15.95 TO 38.35	«4,a,e,m,q,<RHY>» Felsic Volcanic fine grained amygdaloidal/vesicular massive quartz phyric rhyolite	Medium to dark grey, massive, but mottled due to alteration. Contains 5-10% 1-2 mm sized quartz filled amygdules and/or crystals. Upper contact may be transitional from a more massive, amygdule-poor phase. |20.80-22.80|«9,m,D,P» Felsic Intrusive massive, feldspar phyric, porphyritic, with 15-20% 2-3 mm white feldspar crystals, light grey; contacts chilled, flowbanded and at 15° to CA.		|15.95-33.10|«SiPW ,SePW» weak, pervasive, silicification; weak, pervasive, sericitization gives core a mottled appearance 20.80-22.80 None |33.10-38.35|«SiPW ,SePW,SiFW» moderate, pervasive, silicification; moderate, pervasive, sericitization; weak, fracture/vein controlled, silicification with minor locally pervasive epidote and chlorite?	|15.95-36.52|«PyF1.0%,CpF0.1%» 1.0% fracture/vein controlled pyrite; 0.1% fracture/vein controlled chalcopyrite 20.80-22.80 Barren |36.52-38.35|«PyF7.0%,SphF1.0%,CpF0.5%» 7.0% fracture/vein controlled pyrite; 1.0% fracture/vein controlled sphalerite; 0.5% fracture/vein controlled chalcopyrite stringers closely associted with quartz veins; with minor carbonate.	
38.35 TO 68.80	«7,a,m,<GAB>» Mafic Intrusive fine grained massive gabbro	Upper contact at 30° to CA; lower contact at 40° to CA - not chilled. |67.00-68.50|«4,a,bx,m» Felsic Volcanic fine grained, breccia, massive, rhyolite brecciated by carbonate and silica in a fault?		|38.35-67.00|«SiFW» weak, fracture/vein controlled, silicification |67.00-68.50|«CbFS ,SiFS» strong, fracture/vein controlled, carbonatization; strong, fracture/vein controlled, silicification in fault breccia?	None 67.00-68.50 None	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
68.80 TO 141.00	«9,b,d,m,P» Felsic Intrusive medium grained quartz-feldspar Phyric massive porphyritic	Upper contact possibly chilled at 70° to CA; 409-50% 2-5 mm white feldspar, 3-5% blue white 2-6 mm quartz, medium greenish grey. Lower contact at 20° to CA, and chilled.		unaltered, very fresh-looking.	None.	
141.00 TO 151.20	«4,bx,*c,*g,*w,<RHY>» Felsic Volcanic breccia lapillistone thinly laminated frag. (fel>maf) rhyolite	Medium to dark grey with lighter greenish grey areas. Brecciated (hydrothermal) rhyolite breccia and rhyolite tuff to lapillistone. Fragment supported, with angular fragments 2-4 cm in size. Upper 2 m is possible fine grained tuff with bedding at 75° to CA. Breccia coarsens downhole;7,a,m dykes occur within finer tuff near the top. 141.00-142.60 «4,a,*b» Felsic Volcanic fine grained, lapilli tuff, rhyolite, 142.60-145.30 «7,a,m» Mafic Intrusive fine grained, massive, upper contact is at 60° to CA, parallel to bedding. Lower contact is irregular, brecciated, and at 20° to CA. 145.37-145.66 «7,a,m» Mafic Intrusive fine grained, massive, contacts are at 60° to CA. 146.00-146.10 «SO 75° Tuff» Bedding 146.70-147.40 «7,a,bx» Mafic Intrusive fine grained, breccia, upper contact at 20° to CA; lower contact at 80° to CA, upper contact is brecciated; lower contact is parallel to bedding		141.00-147.40 «SePM ,SiPW» moderate, pervasive, sericitization; weak, pervasive, silicification; within rhyolite only; mafic dykes are weakly fractured with carbonate. 147.40-151.20 «SiFM ,SePW» moderate, fracture/vein controlled, silicification; weak, pervasive, sericitization	7,a,m dykes are barren, pyrite occurs in rhyolite and is more abundant adjacent to mafic dykes. 141.00-141.60 «PyD35.0%» 35.0% disseminated/blebby pyrite fragmetal replacement in appearance, at 45° to CA - weakly bedded 141.60-142.60 «PyD5.0%» 5.0% disseminated/blebby pyrite 144.50-145.37 «PyB15.0%» 15.0% bedded/banded pyrite at 70° to CA - replacing and infilling of matrix and fragments of tuff. 145.66-146.70 «PyB5.0%» 5.0% bedded/banded pyrite at 65° to CA; also blebby 147.40-151.20 «PyD2.5%,PyF2.5%» 2.5% disseminated/blebby pyrite; 2.5% fracture/vein controlled pyrite	
151.20 TO 164.20	«4,a,d,m,<RHY>» Felsic Volcanic	Upper contact at 40° to CA. Medium grey, with 3% 1 mm feldspar and 1% 1 mm quartz crystals. Slightly granular looking.		151.20-156.80 «SePW» weak, pervasive, sericitization	Barren. 161.80-162.90 «PyD55.0%» 55.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	fine grained quartz-feld spar Phyric massive rhyolite	┤156.80-157.96├«7,a,m» Mafic Intrusive fine grained, massive, upper contact at 35° to CA; lower contact at 45° to CA. ┤160.00-161.80├«7,a,m» Mafic Intrusive fine grained, massive, lower contact at 30° to CA ┤161.80-162.90├«4,bx» Felsic Volcanic breccia, hydrothermal and discordant?		160.00-161.80 None. ┤161.80-162.90├«SeFS ,SiFW» strong, fracture/vein controlled, sericitization; weak, fracture/vein controlled, silicification contains 55% pyrite.	occuring with discordant hydrothermal breccia.	
164.20 TO 188.60	«4,a,m,q» Felsic Volcanic fine grained massive quartz phyric	light to medium creamy greenish grey, aphanitic to very fine grained, possible weak flow-banding, but this texture may be due to alteration. Upper contact at 10° to CA, may be intrusive fine grained dyke ┤171.29-182.80├«4,bx,m» Felsic Volcanic Breccia, massive, rhyolite, - brecciation due to hydrothermal activity. (alteration) contacts are at 45° - 60° to CA. ┤186.60-186.63├«┤FAI├30°» Fault		┤164.20-171.23├«SePM» moderate, pervasive, sericitization ┤171.29-182.80├«SeFM ,SiFM» moderate, fracture/vein controlled, sericitization; moderate, fracture/vein controlled, silicification associated with sulphide mineralization. ┤184.30-186.70├«SePS» strong, pervasive, sericitization ┤186.70-188.60├«SeFW ,SiFW» weak, fracture/vein controlled, sericitization; weak, fracture/vein controlled, silicification	┤164.20-171.29├«Py03.0%,Po01.0%» 3.0% disseminated/blebby pyrite; 1.0% disseminated/blebby pyrrhotite ┤171.29-177.30├«PyF45.0%» 45.0% fracture/vein controlled pyrite concentrated in 12, 10 - 60 cm semi-massive to massive zones and or bands (stringers) which have irregular but sharp contacts with host rhyolite - contacts are at 45-60° to CA. ┤177.30-188.60├«Py03.0-6.0%,Po02.5-4.0% » 3.0-6.0% disseminated/blebby pyrite; 2.5-4.0% disseminated/blebby pyrrhotite	
188.60 TO 193.50	«9,b,d,m,P» Felsic Intrusive medium grained quartz-feld spar Phyric massive porphyritic	medium greenish grey with 35-45% white, 2-5 mm feldspar crystals and 3% 2-5 mm quartz crystals; upper contact chilled and at 60° to CA. Lower contact cut by diabase.		None	Barren	
193.50 TO 218.40	«10,b,m,Mag » Diabase medium	dark grey; upper contact at 25° to CA. Lower contact at 45° to CA.			1% fine pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	grained massive magnetite					
218.40 TO 257.20	«9,b,d,m,P» Felsic Intrusive medium grained quartz-feldspar Phyric massive porphyritic	same as unit previous to previous diabase. Medium to light grey, with 40-45% white 2-95 mm feldspar crystals and 2-3% rare 3-5 mm quartz crystals. Lower contact chilled and at 45° to CA. |242.00-251.50|«|FAI|Brkn core» Fault		None	Barren	
257.20 TO 281.00	«4,m,n,q,*w» Felsic Volcanic massive variolitic/spherulitic quartz phyric frag. (fel>maf)	Light to medium grey, fine grained massive rhyolitet with 15% 1-2 mm quartz crystals and 3-5% <1-2 cm subangular felsic fragments (xenoliths?). Upper 3 m appears spherulitic. |274.70-276.20|«|FAI|Brkn core» Fault		|257.20-281.00|«SePW» weak, pervasive, sericitization	Barren	
281.00 TO 281.00	«EOH» End-Of-Hole					

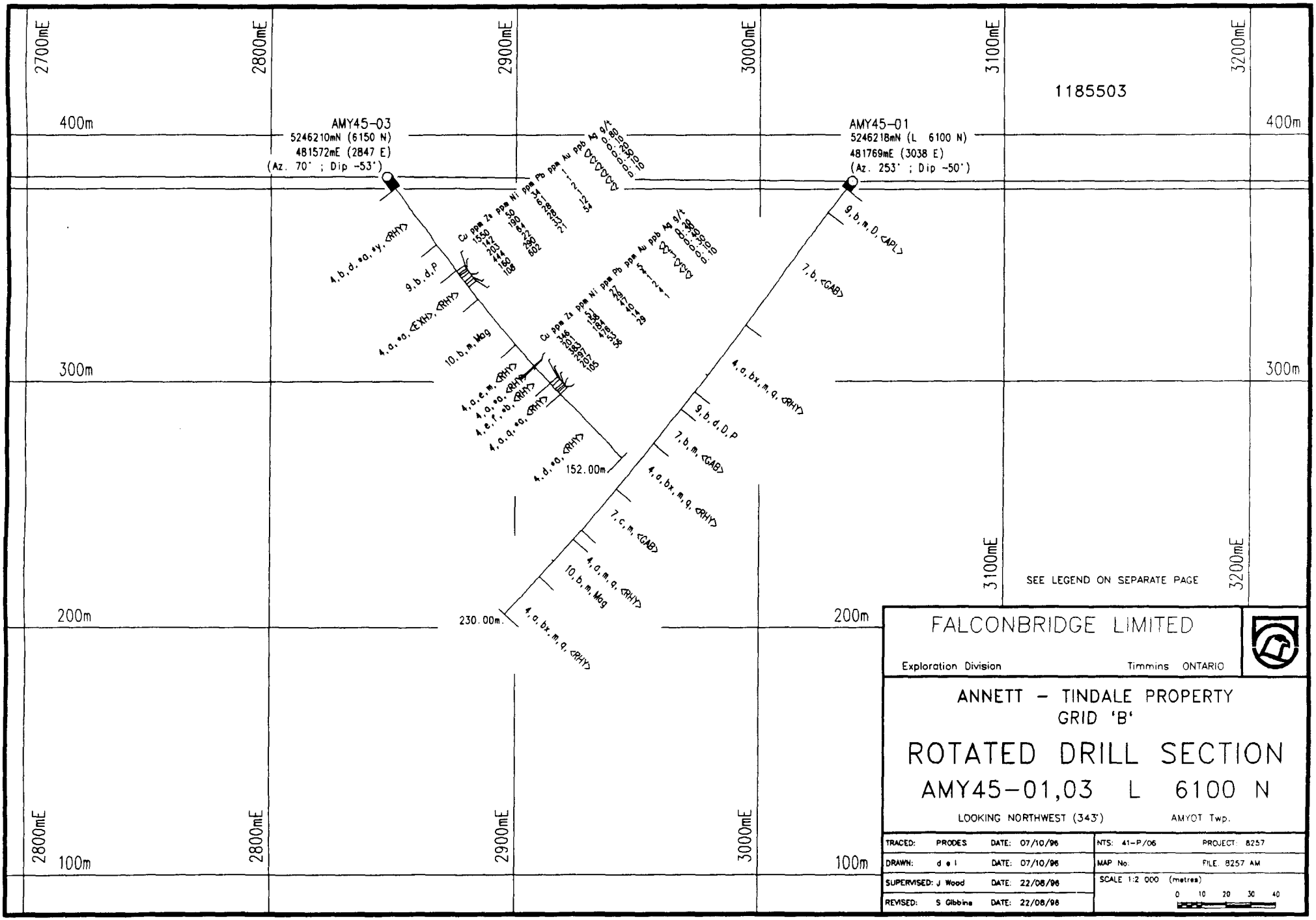
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02001	36.52	38.35	1.83	2430	5580	704	76	346	61.0										0.0	0.0	7.0	0.5	1.0	0.0	4,a,e,m,q	stringers
AT02002	141.00	142.60	1.60	87	50	2	25	27	0.1										0.0	0.0	15.0	0.0	0.0	0.0	4,bx,*b,<RHY>	
AT02003	144.50	146.70	2.20	74	44	1	49	<2	0.1										0.0	0.0	10.0	0.0	0.0	0.0	4,a,*a,<RHY>	
AT02004	146.70	149.00	2.30	54	51	2	66	34	0.1										0.0	0.0	5.0	0.0	0.0	0.0	4,bx	
AT02005	149.00	151.20	2.20	24	116	17	17	<2	0.1										0.0	0.0	5.0	0.0	0.0	0.0	4,bx	
AT02006	161.80	162.90	1.10	63	32	9	24	38	0.4										0.0	0.0	55.0	0.0	0.0	0.0	4,bx	
AT02007	171.29	173.10	1.81	45	22	9	26	<2	0.4										0.0	0.0	20.0	0.0	0.0	0.0	4,bx	
AT02008	173.10	175.50	2.40	44	37	21	23	3	0.4										0.0	0.0	50.0	0.0	0.0	0.0	4,bx	
AT02009	175.50	177.30	1.80	92	89	28	27	17	0.5										0.0	0.0	35.0	0.0	0.0	0.0	4,bx	
AT02010	177.30	179.30	2.00	14	16	2	14	<2	0.1										0.0	1.0	2.0	0.0	0.0	0.0	4,bx	
AT02011	179.30	181.60	2.30	261	23	11	33	<2	0.2										0.0	3.0	5.0	0.0	0.0	0.0	4,bx	
AT02012	181.60	182.80	1.20	247	123	66	40	<2	0.3										0.0	2.0	3.0	0.0	0.0	0.0	4,bx	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA20 %	K20 %	FE203 %	TIO2 %	P205 %	MNO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01393	11.00	14.00	3.00	79.15	11.63	1.53	0.32	3.24	1.78	1.91	0.10	0.04	0.03	0.10	0.93	100.76	20	144		25	80	10		4,a,m,<RHY>	4jB	178
AT01394	29.00	32.00	3.00	75.73	12.37	1.68	0.86	4.10	1.64	2.55	0.24	0.08	0.04	0.09	1.17	100.55	50	252		20	110	10		4,a,e,m,q	4(j)B	167
AT01395	33.10	36.10	3.00	74.17	12.11	3.51	0.88	3.53	1.00	3.52	0.23	0.08	0.05	0.13	1.07	100.28	52	934		115	165	25		4,a,e,m,q	4jB	151
AT01396	148.00	151.00	3.00	66.80	12.77	1.32	3.31	2.93	2.20	7.89	0.16	0.06	0.08	0.11	3.03	100.66	62	272		20	90	25		4,a,bx,<RHY>	4(h)z$	198
AT01397	152.00	155.00	3.00	76.45	12.04	1.74	0.28	4.02	1.48	2.44	0.11	0.04	0.04	0.11	0.92	99.67	22	156		20	65	5		4,a,d	4jB	166
AT01398	167.00	170.00	3.00	77.79	12.35	1.77	0.19	4.11	1.38	2.18	0.11	0.04	0.03	0.09	1.01	101.05	22	152		15	55	15		4,a,m	4(j)B	170
AT01399	173.00	176.00	3.00	77.59	11.51	0.57	0.54	1.25	6.04	2.12	0.12	0.04	0.02	0.11	1.00	100.91	72	272		15	25	<5		4,bx	4(h)z$	146
AT01400	179.00	182.00	3.00	75.39	11.39	1.06	0.70	3.83	1.76	3.84	0.10	0.04	0.02	0.10	1.78	100.01	70	174		10	35	5		4,bx	4hz$	171
AT01401	184.60	187.60	3.00	74.64	10.53	1.65	0.82	3.40	1.08	6.37	0.15	0.04	0.03	0.12	2.12	100.95	64	264		185	15	<5		4,a,m	4(h)z$	172
AT01402	266.00	269.00	3.00	69.45	12.06	1.95	3.14	3.97	0.72	4.03	0.28	0.06	0.05	0.08	2.18	97.97	32	206		20	40	45		4,a,m,q,*w	4(j)B	182

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01393	11.00	14.00	3.00						10		400	40																	
AT01394	29.00	32.00	3.00						10		300	55																	
AT01395	33.10	36.10	3.00						15		100	105																	
AT01396	148.00	151.00	3.00						15		22000	45																	
AT01397	152.00	155.00	3.00						10		100	15																	
AT01398	167.00	170.00	3.00						10		200	25																	
AT01399	173.00	176.00	3.00						10		5700	25																	
AT01400	179.00	182.00	3.00						5		16100	30																	
AT01401	184.60	187.60	3.00						10		26800	80																	
AT01402	266.00	269.00	3.00						15		<100	55																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01393	11.00	14.00	3.00														<1						5		0.28	0.13	31	31	25
AT01394	29.00	32.00	3.00														1						5		0.44	0.14	12	30	27
AT01395	33.10	36.10	3.00														1						5		0.37	0.29	28	21	47
AT01396	148.00	151.00	3.00														1						5		0.50	0.10	8	56	31
AT01397	152.00	155.00	3.00														<1						5		0.21	0.14	18	23	16
AT01398	167.00	170.00	3.00														<1						5		0.17	0.14	79	21	13
AT01399	173.00	176.00	3.00														1						2		0.38	0.05	9	78	20
AT01400	179.00	182.00	3.00														2						3		0.30	0.09	7	33	9
AT01401	184.60	187.60	3.00														1						3		0.23	0.16	6	27	4
AT01402	266.00	269.00	3.00														1						12		0.65	0.16	14	39	10

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01393	11.00	14.00	3.00		10	
AT01394	29.00	32.00	3.00		10	
AT01395	33.10	36.10	3.00		20	
AT01396	148.00	151.00	3.00		20	
AT01397	152.00	155.00	3.00		10	
AT01398	167.00	170.00	3.00		10	
AT01399	173.00	176.00	3.00		20	
AT01400	179.00	182.00	3.00		5	
AT01401	184.60	187.60	3.00		15	
AT01402	266.00	269.00	3.00		<5	



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'B'

ROTATED DRILL SECTION
AMY45-01,03 L 6100 N

LOOKING NORTHWEST (343°) — AMYOT Twp.

TRACED:	PRODES	DATE: 07/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 07/10/96	MAP No:	FILE: 8257 AM
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 22/08/96	0 10 20 30 40	

HOLE NUMBER: AMY45-03

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 11/11/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5246210.00N
EAST: 481572.00E
ELEV: 383.00

ALTERNATE COORDS GRID: Grid B
NORTH: 61+50N
EAST: 28+47E
ELEV: 383.00

COLLAR DIP: -53° 0' 0"
LENGTH OF THE HOLE: 152.00M
START DEPTH: 0.00M
FINAL DEPTH: 152.00M

COLLAR ASTRONOMIC AZIMUTH: 70° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 02/28/1996
DATE COMPLETED: 03/03/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 481572E,5246210N

COMMENTS : Targeted on off-hole anomaly in AMY45-01
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-51° 0' 0"	A	DO	
120.00	0° 0' 0"	-45° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.00	«|OB|» Casing Overburden					
6.00 TO 34.50	«4,b,d,*a,*y,<RHY>» Felsic Volcanic medium grained quartz-feldspar Phyric tuff crystal tuff rhyolite	Light grey with 10% 1-2 mm quartz crystals, 5% broken 1-3 mm white feldspar crystals, 25-30% crystal tuff lapilli, some which may contain quartz-filled amygdules/vesicles, lapillie range in size from <1 - 3 cm in size. Possible weak layering 75° to CA. |29.90-30.00|«|S0 75°|» Bedding		None	None	
34.50 TO 47.80	«9,b,d,P» Felsic Intrusive medium grained quartz-feldspar Phyric porphyritic	Light to medium grey with 35% white 1-5 mm feldspar crystals and 3-5% blue 2-7 mm quartz crystal. Upper contact maybe fault related as significant chilling not noted, contact is at 10° to CA. Lower 4 m core becomes less massive, with wispy bands and layers, multiple fractures and irrguglar grain sizes. Lower contct is irregular, somewhat chilled, broken, and at 50° to CA.		None.	None.	
47.80 TO 62.72	«4,a,*a,<EXH>,<RHY>» Felsic Volcanic fine grained tuff chert/exhalite rhyolite	Light grey, yellowish-green grey, weakly layered/bedded at 70-90° to CA. Fine siliceous tuff, with possible exhaltive component, but not particularly cherty. Lapilli-sized fragments or crystals are evident within 5-15 cm beds. Primary textures masked by alteration and sulphide mineralization. |49.30-50.15|«7,a,m» Mafic Intrusive fine grained, massive, upper contact at 60° to CA. Lower contact at 03° to CA. |55.00-55.10|«|S0 65°|TUFF» Bedding |55.85-59.00|«7,a,m» Mafic Intrusive fine grained, massive, upper contact at 60°, lower contact lost in broken core.		|47.80-62.72|«SePS ,SiPS,EpPW» strong, pervasive, sericitization; strong, pervasive, silicification; weak, pervasive, epidotization , also weak potassic alteration in fractures.	|47.80-56.85|«PyB15.0%,PoB10.0%,SphD0.5%,CpD0.3%» 15.0% bedded/banded pyrite; 10.0% bedded/banded pyrrhotite; 0.5% disseminated/blebby sphalerite; 0.3% disseminated/blebby chalcopyrite mostly sub-parallel to bedding, locally stringery. Sulphides are concentrated in beds and bands 2 to 30 cm thick over the interval and are massive to semi-massive locally.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		┤60.00-61.80├«|FAI|Brkn core» Fault				
62.72 TO 87.24	«10,b,m,Mag» Diabase medium grained massive magnetite	Upper contact lost in broken core. Lower contact at 60° to CA and chilled.				
87.24 TO 98.90	«4,a,e,m,<RHY>» Felsic Volcanic fine grained amygdaloidal/vesicular massive rhyolite	Medium grey, lightens downhole, with 2-3% 5-10 mm chlorite-filled amygdules, rounded to wispy.		┤87.24-98.90├«SeFM ,ChSW» moderate, fracture/vein controlled, sericitization; weak, spotty, chloritization; sericite strengthens down-hole. Gives core a patchy to wispy texture. Chlorite-filled amygdules.	┤87.24-98.90├«Py03.0%» 3.0% disseminated/blebby pyrite concentrated around chlorite filled amygdules	
98.90 TO 99.32	«4,a,*a,<RHY>» Felsic Volcanic fine grained tuff rhyolite	Upper contact at 60° to CA; lower contact at 45° to CA. Light grey, wispy masked by strong alteration. Top of underlying lapilli tuff? ┤99.00-99.10├«|S0 60°|Tuff» Bedding		┤98.90-99.32├«SiPS ,SePS» strong, pervasive, silicification; strong, pervasive, sericitization	┤98.90-99.32├«Po06.0%,Py03.0%» 6.0% disseminated/blebby pyrrhotite; 3.0% disseminated/blebby pyrite	
99.32 TO 108.70	«4,e,f,*b,<RHY>» Felsic Volcanic amygdaloidal/vesicular primary fragmentals lapilli tuff rhyolite	Light creamy yellow grey, wispy with 30-45% 2-3 cm vesicular to amygdaloidal lapilli. Primary textures masked by strong alteration. Hyaloclastite evident locally. Amygdules flattened at 80° to CA. ┤101.00-101.50├«|S0 80°|» Bedding		┤99.32-108.70├«SePS ,SiPS,ChSW» strong, pervasive, sericitization; strong, pervasive, silicification; weak, spotty, chloritization very mottled-looking.	┤99.32-108.70├«Po03.0%,Py02.0%» 3.0% disseminated/blebby pyrrhotite; 2.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
108.70 TO 115.00	«4,a,q,*a,<RHY>» Felsic Volcanic fine grained quartz phyric tuff rhyolite	Medium to light grey, mottled, tuff, with 5-15% small lapilli, 5% blue quartz crystals 1-2 mm size. Flattened pumice at 60° to CA. Fine felsic pyroclastic.		ǂ108.30-115.00ǂ«SiPM ,SePM» moderate, pervasive, silicification; moderate, pervasive, sericitization	ǂ108.70-115.00ǂ«Po15.0%,Py10.0%» 15.0% disseminated/blebby pyrrhotite; 10.0% disseminated/blebby pyrite concentrated in 'beds' of 2 to 5 cm sized blebs and stringery-looking blebs. Pyrite replacing pyrrhotite. Sulphide replacing matrix and fragments.	
115.00 TO 152.00	«4,d,*a,<RHY>» Felsic Volcanic quartz-feldspar Phyric tuff rhyolite	Medium grey, with 5-10% white 1-4 mm sized broken feldspar and quartz crystals and 30% 1-2 cm, rounded lapilli - locls very massive in places. ǂ131.10-132.90ǂ«9,<FEL>» Felsic Intrusive felsite, quartz, phlogopite, and feldspar; contacts at 25° to CA. ǂ137.30-138.00ǂ«9,<FEL>» Felsic Intrusive felsite, as above , contacts at 30° to CA.		ǂ115.00-152.00ǂ«SePW ,SiPW,ChSW» weak, pervasive, sericitization; weak, pervasive, silicification; weak, spotty, chloritization	ǂ115.00-152.00ǂ«Po1.0%,Py1.0%,SphF0.1%» 1.0% disseminated/blebby pyrrhotite; 1.0% disseminated/blebby pyrite; 0.1% fracture/vein controlled sphalerite	
152.00 TO 152.00	«EOH» End-Of-Hole					

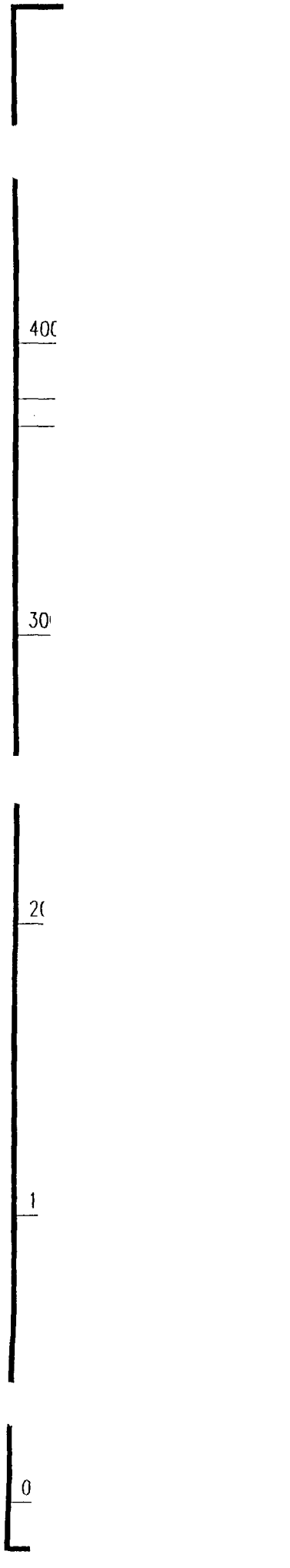
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02013	47.80	49.30	1.50	1550	50	1	34	<2	0.8										0.0	15.0	10.0	0.0	0.0	0.0	4,a,*a,<EXH>	
AT02014	49.30	50.10	0.80	142	190	1	61	<2	0.1										0.0	0.0	0.0	0.0	0.0	0.0	7,a,m	
AT02015	50.10	51.20	1.10	203	64	2	28	<2	0.2										0.0	2.0	15.0	0.0	0.0	0.0	4,a,*a,<EXH>	
AT02016	51.20	53.00	1.80	444	22	1	28	<2	0.3										0.0	5.0	15.0	0.0	0.0	0.0	4,a,*a,<EXH>	
AT02017	53.00	54.40	1.40	160	290	12	33	<2	0.1										0.0	5.0	5.0	0.0	0.0	0.0	4,a,*a,<EXH>	
AT02018	54.40	55.85	1.45	108	602	54	21	<2	0.1										0.0	3.0	3.0	0.0	0.0	0.0	4,a,*a,<EXH>	
AT02019	98.90	99.32	0.42	346	51	5	27	<2	0.2										0.0	15.0	3.0	0.0	0.0	0.0	4,a,*a	
AT02020	108.70	110.00	1.30	201	158	4	29	<2	0.3										0.0	3.0	17.0	0.0	0.0	0.0	4,f,*a	
AT02021	110.00	112.00	2.00	383	184	1	47	3	0.4										0.0	17.0	3.0	0.0	0.0	0.0	4,*a,f	
AT02022	112.00	113.00	1.00	297	476	2	40	<2	0.3										0.0	5.0	2.0	0.0	0.0	0.0	4,*a,f	
AT02023	113.00	113.80	0.80	207	53	4	14	<2	0.1										0.0	3.0	2.0	0.0	0.0	0.0	4,*a,f	
AT02024	113.80	115.00	1.20	105	56	1	29	<2	0.1										0.0	0.0	5.0	0.0	0.0	0.0	4,*a,f	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01403	8.00	11.00	3.00	77.44	11.55	3.75	1.05	1.33	1.56	2.20	0.24	0.06	0.03	0.08	1.55	100.84	48	228		25	<5	10		4,b,*a,*y	4(h)B	174
AT01404	29.00	32.00	3.00	78.75	10.88	3.36	1.13	1.28	1.54	2.24	0.20	0.06	0.03	0.09	1.28	100.84	42	202		15	10	10		4,b,*a,*y	4(h)B	176
AT01405	52.85	55.85	3.00	67.25	13.03	4.43	1.92	1.39	1.84	7.37	0.29	0.06	0.06	0.09	2.75	100.48	34	236		155	10	30		4,a,*a,<EXH>	4(j)B$	170
AT01406	92.00	95.00	3.00	68.54	12.55	3.56	1.72	4.16	1.50	5.28	0.31	0.06	0.09	0.11	1.32	99.20	32	228		115	20	40		4,a,e,m	4jB	136
AT01407	104.00	107.00	3.00	73.83	11.80	2.60	1.15	3.87	1.74	3.83	0.23	0.04	0.06	0.10	1.15	100.40	32	240		50	<5	10		4,e,*b	4jB$	144
AT01408	110.00	113.00	3.00	69.79	12.37	1.61	1.26	1.36	3.72	5.23	0.27	0.08	0.03	0.04	3.09	98.85	26	186		70	70	<5		4,a,f,*a	4jB$	185
AT01409	125.00	128.00	3.00	72.46	12.03	5.53	2.34	2.32	0.66	3.73	0.29	0.06	0.06	0.08	1.25	100.81	30	184		10	10	35		4,d,*a	4(j)B	141
AT01410	140.00	143.00	3.00	71.51	12.67	2.85	2.52	3.18	1.88	4.32	0.26	0.06	0.06	0.10	1.06	100.47	34	210		55	195	30		4,d,*a	4(j)B	160

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01403	8.00	11.00	3.00						10		100	15																	
AT01404	29.00	32.00	3.00						10		100	45																	
AT01405	52.85	55.85	3.00						20		19900	80																	
AT01406	92.00	95.00	3.00						20		4400	85																	
AT01407	104.00	107.00	3.00						10		11900	55																	
AT01408	110.00	113.00	3.00						10		23900	15																	
AT01409	125.00	128.00	3.00						15		<100	55																	
AT01410	140.00	143.00	3.00						15		4000	70																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01403	8.00	11.00	3.00														1						5		0.53	0.32	10	34	4
AT01404	29.00	32.00	3.00														<1						4		0.55	0.31	9	37	8
AT01405	52.85	55.85	3.00														<1						11		0.38	0.34	16	39	7
AT01406	92.00	95.00	3.00														<1						15		0.44	0.28	23	29	5
AT01407	104.00	107.00	3.00														<1						9		0.42	0.22	9	31	1
AT01408	110.00	113.00	3.00														1						7		0.36	0.13	4	63	51
AT01409	125.00	128.00	3.00														<1						13		0.60	0.46	15	28	4
AT01410	140.00	143.00	3.00														<1						12		0.58	0.22	12	42	61

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01403	8.00	11.00	3.00		15	
AT01404	29.00	32.00	3.00		10	
AT01405	52.85	55.85	3.00		<5	
AT01406	92.00	95.00	3.00		<5	
AT01407	104.00	107.00	3.00		10	
AT01408	110.00	113.00	3.00		<5	
AT01409	125.00	128.00	3.00		20	
AT01410	140.00	143.00	3.00		10	


400
30
20
1
0

HOLE NUMBER: AMY35-03

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1185503
LOCATION: Amyot Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5245120.00N
EAST: 482232.00E
ELEV: 383.00

ALTERNATE COORDS GRID: Grid B
NORTH: 49+15N
EAST: 31+60E
ELEV: 383.00

COLLAR DIP: -57° 0' 0"
LENGTH OF THE HOLE: 224.00M
START DEPTH: 0.00M
FINAL DEPTH: 224.00M

COLLAR ASTRONOMIC AZIMUTH: 80° 0' 0"

GRID ASTRONOMIC AZIMUTH: 73° 0' 0"

DATE STARTED: 03/04/1996
DATE COMPLETED: 03/07/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 482232E,5245120N

COMMENTS : Targeted on geophysical anomaly in AMY35-02.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-54° 0' 0"	A	DO	
120.00	0° 0' 0"	-50° 0' 0"	A	DO	
173.00	0° 0' 0"	-49° 0' 0"	A	DO	
224.00	0° 0' 0"	-45° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 6.00	«|OB|» Casing Overburden					
6.00 TO 45.10	«9,b,D,P» Felsic Intrusive medium grained feldspar phyric porphyritic	Medium greenish-grey, with only 15% 1-3 mm feldspar crystals in randomn orientation. |19.70-33.57|«7,a,b» Mafic Intrusive fine grained, medium grained, irregular texture - not massive, dark to medium green. Upper contact irregular; lower contac at 45° to CA. |45.05-45.10|«|FAI|15°» Fault		None	None	
45.10 TO 46.80	«7,a,m» Mafic Intrusive fine grained massive	Upper contact fault associated, at 15° to CA; lower contact at 25° to CA. Medium green				
46.80 TO 68.26	«4,a,m,q,<RHY>» Felsic Volcanic fine grained massive quartz phyric rhyolite	Medium greenish grey. Massive, with <5% 1-2 mm quartz crystals. |57.00-61.70|«|FAI|Brkn core» Fault		|46.80-68.26|«SePW» weak, pervasive, sericitization	None.	
68.26 TO 165.20	«9,c,d,m,P» Felsic Intrusive coarse grained quartz-feldspar Phyric massive porphyritic	Different than above porphyry. Upper contact at 25° to CA, chilled. Light medium grey with 20-25% white 2-6 mm feldspar crystals and 3-5% 2-5 mm blue quartz crystals. Matrix is yellowish in palces with 2% fine green mica flecks. Lower contact is chilled and irregular - no dip measurement. |78.30-81.84|«9,a,m,<GRA>» Felsic Intrusive fine grained, massive, granite, upper contact at 20° to CA; lower contact at 89° to CA, but irregular - both are chilled. Medium grey with		Very fresh. 100.60-122.30 None.	None. 100.60-122.90 None.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		fine crystals of quartz, feldspars, and mica. ┤100.60-122.90├«9,b,D,P» Felsic Intrusive medium grained, feldspar phyric, porphyritic, same as intersected higher in the hole. 15-20% 1-3 mm feldspar crystals, fine quartz. Upper contact at 30° to CA. Lower contact at 40° to CA. ┤129.00-131.90├«7,a,m» Mafic Intrusive fine grained, massive, upper contact lost in broken core; lower contact at 20° to CA.				
165.20 TO 192.20	«4,q,*a,<EXH>,<RHY>» Felsic Volcanic quartz phyric tuff chert/exhalite rhyolite	Medium to light greenish grey, contorted to patchy, with yellow sulphides. Fine felsic tuff, with minor highly siliceous, weakly to moderately bedded fine sediments(?) to cherty exhalite assemblages. Sulphides appear to parallel and cross-cut bedding, which is at an average of 70-75° to CA, but varies to minor fold contortions to 45-90° to CA. The predominantly fine ash tuff contains locally 3-5% 1-2 mm quartz crystals. Primary textures are largely masked by alteration and sulphide mineralization. Lower contact is at 75° to CA. ┤172.00-172.10├«┤S0 70°├» Bedding ┤181.20-181.30├«┤S0 70°├chert» Bedding Very fine chert to felsic sediment, with fine laminae. ┤190.50-190.60├«┤S0 60°├» Bedding		┤165.20-192.20├«SePS ,SiPS,ChSW» strong, pervasive, sericitization; strong, pervasive, silicification; weak, spotty, chloritization	┤165.20-192.20├«PyB15.0%,PyF5.0%,Po03.0-5.0%,SphO0.5%,CpO0.1%» 15.0% bedded/banded pyrite; 5.0% fracture/vein controlled pyrite; 3.0-5.0% disseminated/blebby pyrrhotite; 0.5% disseminated/blebby sphalerite; 0.1% disseminated/blebby chalcopyrite. Fine pyrite crystals. Sulphides are for the most part in stringery to stretched blebs parallel to bedding, locally in disrupted to contorted beds. In the interval there are 5 20 cm intervals of massive bedded pyrite.	
192.20 TO 224.00	«3,f,l,*e,<DAC>» Intermediate Volcanic primary fragmentals flows (banded) autoclastic /hyaloclast	Medium to dark greenish-grey, auto-breccia to hyaloclastite, Fragments are juvenile-looking, make up 80% of rock in similar looking matrix, are weakly flow-banded to amygdaloidal, and vary in size from <1x1 cm to 2-5 cm. Rare 1-2 mm sized feldspar and quartz crystals are visible. Contact appear to grade into internal massive dacitic(?) feldspar-bearing unit. ┤197.08-210.25├«3,m,D»		┤192.20-197.08├«SePW ,ChFW» weak, pervasive, sericitization; weak, fracture/vein controlled, chloritization ┤210.25-224.00├«SePM ,ChPM,SiPW» moderate, pervasive, sericitization; moderate, pervasive, chloritization;	None	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	ite dacite	Intermediate Volcanic massive, feldspar phyric, contacts appear to autobrecciate into hosting unit, but this unit conains 5-10% 1 mm feldspar crystal, which the breccia unit does not. Similar in colour (dark to medium greenish grey), but not amygdaloidal or flowbanded. Contacts are approximately 85° to CA. 222.20-223.30«7,a,m» Mafic Intrusive fine grained, massive, contacts at 45° to CA.		weak, pervasive, silicification		
224.00 TO 224.00	«EOH» End-Of-Hole					

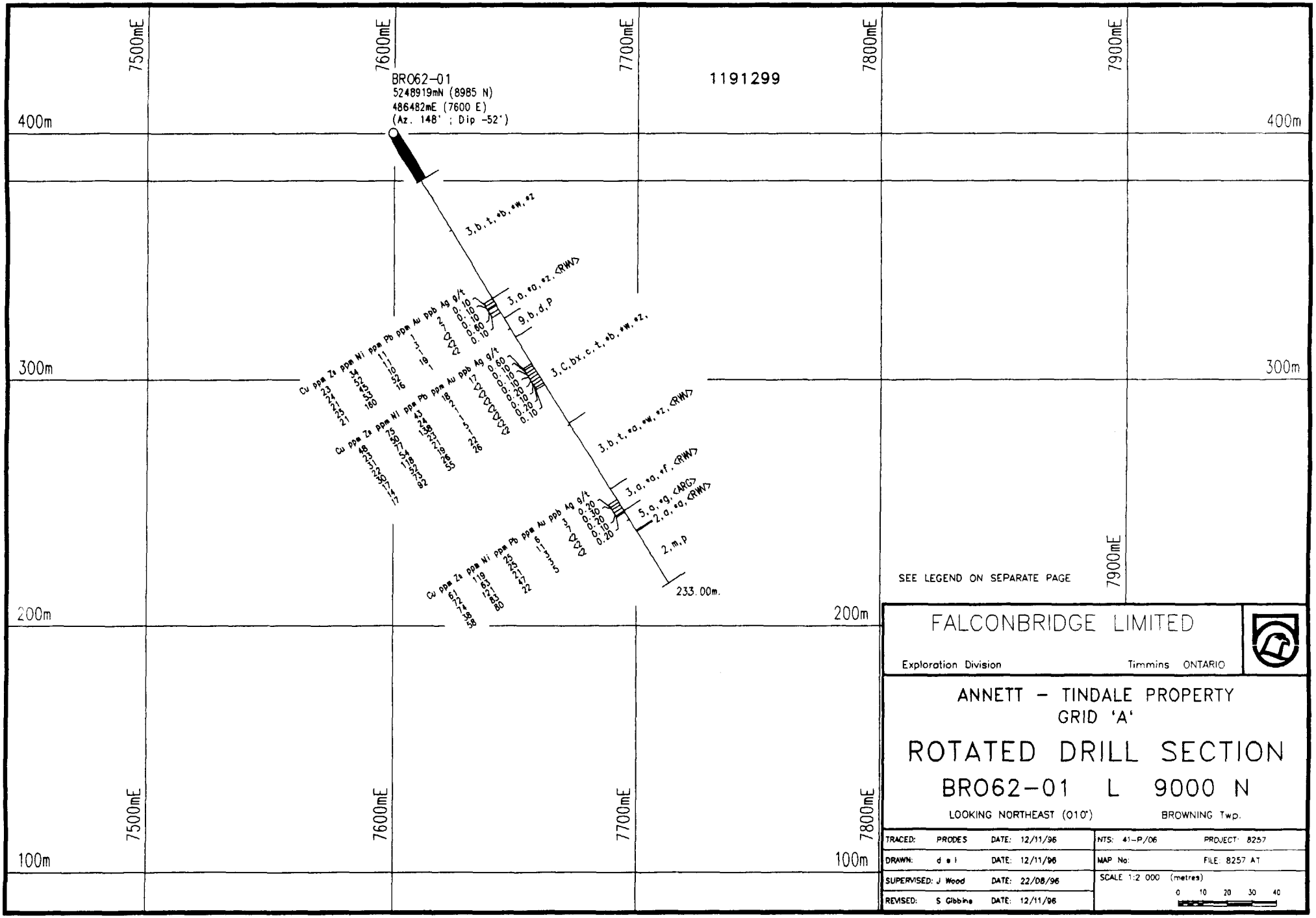
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02025	165.20	166.30	1.10	176	29	7	12	<2	0.2										0.0	0.0	0.0	0.0	0.0	0.0	4,q,*a	
AT02026	166.30	167.66	1.36	239	221	79	17	<2	0.3										0.0	0.0	2.0	0.0	0.0	0.0	4,q,*a	
AT02027	167.66	168.20	0.54	833	63	56	62	<2	1.0										0.0	25.0	5.0	1.0	1.0	0.0	4,q,*a	
AT02028	168.20	169.70	1.50	62	28	8	18	<2	0.1										0.0	3.0	3.0	0.0	0.0	0.0	4,q,*a	
AT02029	169.70	170.70	1.00	418	59	5	42	<2	0.2										0.0	5.0	1.0	0.0	0.0	0.0	4,q,*a	
AT02030	170.70	171.80	1.10	273	87	12	36	<2	0.3										0.0	5.0	20.0	0.0	0.0	0.0	4,q,*a	
AT02031	171.80	173.40	1.60	102	145	6	67	<2	0.1										0.0	5.0	5.0	0.0	3.0	0.0	4,q,*a	
AT02032	173.40	175.00	1.60	255	56	15	36	<2	0.1										0.0	5.0	17.0	0.0	1.0	0.0	4,q,*a	
AT02033	175.00	176.00	1.00	147	35	14	28	<2	0.2										0.0	5.0	35.0	0.0	1.0	0.0	4,q,*a	
AT02034	176.00	177.50	1.50	64	92	4	23	<2	0.1										0.0	1.0	5.0	0.0	0.0	0.0	4,q,*a	
AT02035	177.50	179.00	1.50	81	167	3	24	<2	0.1										0.0	3.0	2.0	0.0	0.0	0.0	4,q,*a	
AT02036	179.00	180.50	1.50	109	59	4	20	<2	0.2										0.0	4.0	4.0	0.0	0.0	0.0	4,q,*a	
AT02037	180.50	182.00	1.50	144	145	63	23	<2	0.2										0.0	2.0	15.0	0.0	0.0	0.0	4,*a, <EXH>	
AT02038	182.00	183.50	1.50	62	137	77	23	3	0.1										0.0	0.0	15.0	0.0	0.0	0.0	4,q,*a	
AT02039	183.50	185.00	1.50	75	218	6	15	<2	0.2										0.0	2.0	20.0	0.0	0.0	0.0	4,q,*a	
AT02040	185.00	186.50	1.50	157	283	8	26	<2	0.2										0.0	0.0	20.0	0.0	0.0	0.0	4,q,*a	
AT02041	186.50	188.00	1.50	228	227	15	25	<2	0.3										0.0	3.0	22.0	0.0	0.0	0.0	4,q,*a	
AT02042	188.00	189.50	1.50	234	133	160	16	3	0.3										0.0	17.0	0.0	0.0	0.0	0.0	4,q,*a	
AT02043	189.50	191.00	1.50	446	159	5	22	<2	0.3										0.0	0.0	15.0	0.0	1.0	0.0	4,q,*a	
AT02044	191.00	192.20	1.20	169	147	18	25	<2	0.2										0.0	5.0	20.0	0.0	0.0	0.0	4,q,*a	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01412	53.00	56.00	3.00	72.35	12.01	1.85	2.99	4.41	0.26	4.45	0.26	0.04	0.05	0.09	1.74	100.50	30	226		10	40	20		4,a,m,q	4jB	184
AT01413	165.20	168.20	3.00	76.11	10.67	1.88	1.04	3.91	0.40	3.44	0.37	0.10	0.03	0.26	0.85	99.06	32	176		235	180	20		4,q,*a	4(j)B	172
AT01414	179.20	182.00	2.80	73.87	10.96	2.07	0.76	2.80	1.28	4.29	0.15	0.04	0.03	0.22	1.73	98.20	62	218		55	70	15		4,q,*a	4(h)z$	178
AT01415	189.00	192.00	3.00	70.23	11.44	0.97	1.67	1.08	2.84	5.96	0.26	0.08	0.04	0.09	3.83	98.49	28	194		55	310	<5		4,q,*a	4(j)B$	234
AT01416	196.00	197.00	3.00	74.26	12.04	1.83	1.95	4.06	0.76	3.81	0.28	0.06	0.06	0.19	1.14	100.44	32	204		35	30	40		3,bx,f,l,*e	4(j)B	181
AT01417	203.00	206.00	3.00	68.24	15.34	2.31	2.01	5.95	0.64	3.99	0.38	0.10	0.03	0.12	1.47	100.58	10	132		<5	20	20		3,a,m,D	4jA	172
AT01418	215.00	218.00	3.00	72.79	11.78	3.95	1.39	3.54	0.72	4.43	0.27	0.06	0.07	0.12	1.09	100.21	30	208		15	20	45		3,bx,f,l,*e	4(j)B	143

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01412	53.00	56.00	3.00						20		100	45																	
AT01413	165.20	168.20	3.00						25		300	75																	
AT01414	179.20	182.00	2.80						25		18200	20																	
AT01415	189.00	192.00	3.00						10		40100	30																	
AT01416	194.00	197.00	3.00						20		300	75																	
AT01417	203.00	206.00	3.00						20		200	65																	
AT01418	215.00	218.00	3.00						15		<100	60																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01412	53.00	56.00	3.00														1						11		0.62	0.15	7	34	9
AT01413	165.20	168.20	3.00														<1						7		0.42	0.18	19	20	46
AT01414	179.20	182.00	2.80														1						3		0.29	0.19	20	30	25
AT01415	189.00	192.00	3.00														<1						6		0.40	0.08	3	69	287
AT01416	196.00	197.00	3.00														<1						12		0.55	0.15	21	32	7
AT01417	203.00	206.00	3.00														<1						8		0.55	0.15	10	24	3
AT01418	215.00	218.00	3.00														<1						11		0.43	0.34	32	22	6

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01412	53.00	56.00	3.00		10	
AT01413	165.20	168.20	3.00		10	
AT01414	179.20	182.00	2.80		15	
AT01415	189.00	192.00	3.00		10	
AT01416	194.00	197.00	3.00		5	
AT01417	203.00	206.00	3.00		<5	
AT01418	215.00	218.00	3.00		15	



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'A'

ROTATED DRILL SECTION

BR062-01 L 9000 N

LOOKING NORTHEAST (010°) — BROWNING Twp.

TRACED:	PRODES	DATE: 12/11/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 12/11/96	MAP No:	FILE: 8257 AT
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 12/11/96	0 10 20 30 40	

HOLE NUMBER: BR062-01

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191299
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5248919.00N
EAST: 486482.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid A
NORTH: 89+85N
EAST: 76+ 0E
ELEV: 400.00

COLLAR DIP: -52° 0' 0"
LENGTH OF THE HOLE: 233.00M
START DEPTH: 0.00M
FINAL DEPTH: 233.00M

COLLAR ASTRONOMIC AZIMUTH: 148° 0' 0"

GRID ASTRONOMIC AZIMUTH: 150° 0' 0"

DATE STARTED: 03/09/1996
DATE COMPLETED: 03/12/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Creek site
UTM COORD.: 486482E,5248919N

COMMENTS : Targeted along strike of BR061-01
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-53° 0' 0"	A	DO	
119.00	0° 0' 0"	-51° 0' 0"	A	DO	
180.00	0° 0' 0"	-51° 0' 0"	A	DO	
230.00	0° 0' 0"	-51° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 24.00	«|OB|» Casing Overburden					
24.00 TO 84.80	«3,b,t,*b,*w,*z» Intermediate Volcanic medium grained pyroclastic lapilli tuff frag. (fel>maf) lithic tuff	Moderately to strongly foliated @43° to CA. Mottled pale olive green-grey, with lighter to whitish fragments. Primary textures masked by foliation and alteration. Medium to fine green tuffaceous matrix hosting an average of 15% subangular, off-white 1-5 mm felsic lapilli, 5-25% felsic 6-15 cm sized blocks, and <5% green, torn-looking 1-2 cm intermediate to mafic fine lapilli. Interbedded finer tuffaceous components <1 m to 5 m in size, though contacts are difficult to see due to fabric. Looks like a fine to intebedded tuff/lapilli tuff 'white fragment breccia' as noted west of Moose Head lake. Percentage of white 1-4 mm lapilli increases gradually downhole to 25%; largely block sized fragments appear to decrease in abundance. Lower contact is gradational. Fairly felsic looking near the base. |24.00-29.00|«3,b,t,*a,*w» Intermediate Volcanic medium grained, pyroclastic, tuff, frag. (fel>maf), lithic tuff that looks slightly more mafic (chloritic than rest of unit). Contact gradational and likely parallel to foliation at 35° to CA. |27.00-27.10|«|S2 40°|mod.» Foliation |56.80-56.90|«|S0 35°|ll to S2» Bedding |57.00-57.10|«|S2 40°|mod» Foliation |61.80-62.57|«9,<APL>» Felsic Intrusive aplite, contacts @ 60° to CA, cross-cutting foliation. Aplite is not foliated. |80.00-80.10|«|S2 40°|Strong» Foliation		|24.00-80.30|«SiPM ,SePW,ChFW» moderate, pervasive, silicification; weak, pervasive, sericitization; weak, fracture/vein controlled, chloritization |80.30-84.80|«SePM ,SiPW» moderate, pervasive, sericitization; weak, pervasive, silicification concentrated in 1-10 wispy bands parallel to foliation. Quartz-sericite schist.	Trace fine, disseminated euhedral pyrite.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		⌊80.30-84.80⌋«3,b,t,*a,*z» Intermediate Volcanic medium grained, pyroclastic, tuff, lithic tuff, finer downhole, gradational contact marked by decrease in overall size and percentage of white lapilli - no block-sized felsic lapilli. Strongly foliated @38° to CA. 20% white 1-3 mm felsic fragments, with wispy bands of tuffaceous fragments. Light grey with yellow streaks.				
84.80 TO 95.00	«3,a,*a,*z, <RWV>» Intermediate Volcanic fine grained tuff lithic tuff reworked volcanic Debris	Yellow, yellowish grey, to light grey, fine grained reworked felsic to intermediate ash-tuff. No larger than ash sized lapilli, strongly foliated @37° to CA, with 25-30% wispy stretched ash-lapilli. <5% of unit consists of 2-30 cm (ave. 10 cm) non-graphitic argilliceous interbeds. Bedding is parallel to foliation @45° to CA. ⌊85.00-85.10⌋«⌊S0 45°⌋ll to S1» Bedding ⌊88.70-89.70⌋«5,s,<ARG>» Sulphide (>40%) mudstone-argillite, with significant tuffaceous component. 30 cm interbed or reworked tuff fines up-hole. ⌊89.00-89.10⌋«⌊S2 40°⌋» Foliation		⌊84.80-88.70⌋«SePS ,SiPW» strong, pervasive, sericitization; weak, pervasive, silicification. Pale yellow core. ⌊88.70-95.00⌋«CbPW ,SePW» weak, pervasive, carbonatization; weak, pervasive, sericitization	⌊84.80-88.40⌋«PyD5.0%» 5.0% disseminated/blebby pyrite concentrated in stretched, wispy fragments, 2x30 mm in size, parallel to foliation. Sulphide replacement of tuffaceous fragments(?). ⌊88.40-89.40⌋«PyB50.0%» 50.0% bedded/banded pyrite, stretched and blebby looking - strong sulphide replacement of tuffaceous fragments - confined to argillaceous interbeds. Sulphide is semi-massive for 40 cm, conductive, and parallel to foliation @40° to CA. ⌊89.40-95.00⌋«PyD3.0%» 3.0% disseminated/blebby pyrite	
95.00 TO 104.60	«9,b,d,P» Felsic Intrusive medium grained quartz-feldspar Phyric porphyritic	Upper contact parallel to foliation @ 35° to CA; lower contact may be chilled over bottom 2 m, and is also parallel to foliation. Moderately foliated @37° to CA. 15% blue-white 3-8 mm quartz crystals, 35% stretched, altered, 2-8 mm feldspar crystals. Medium yellowish grey in colour - darkens and fines downhole. Massive.		⌊95.00-104.60⌋«SePW» moderate, pervasive, sericitization	Barren	
104.60 TO 149.30	«3,C,bx,c,t ,*b,*w,*z,< RWV>» Heterolithi	Medium grained, medium grey, 'white fragment, volcanic breccia, with 30% predominantly whitish, sub-angular felsic fragments <1 - 20 cm in size (ave. 1x2 cm). Weakly, grossly bedded over entire		⌊104.60-121.00⌋«SePW» weak, pervasive, sericitization	⌊104.60-130.40⌋«PyD2.0-5.0%» 2.0-5.0% disseminated/blebby pyrite;	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	c Volcanic breccia coarse grained pyroclastic lapilli tuff frag. (fel>maf) lithic tuff reworked volcanic Debris	interval. Possibly coarsens down-hole. Moderately foliated @36° to CA. <5% <1x1 cm wispy mafic to intermediate fragments. {109.00-109.10|«|S2 36°|mod» Foliation {117.47-118.11|«9,<APL>» Felsic Intrusive aplite, contacts @60° across foliation. {121.10-126.50|«5,*n,<ARG>» Sedimentary graded bedding, mudstone-argillite, interbedded within breccia. Tops up-hole. Bedding @35° parallel to foliation. Medium grained to fine grained, contacts quite sharp with breccia. The argillite intervals vary from 0.5 m to 3 m. Light to medium grey, finely laminated. {121.90-122.00|«|S0 35°|ll to S2» Bedding {130.40-149.30|«9,<APL>» Felsic Intrusive aplite, fine grained dyke. Brecciated contacts. Locally is brecciated and contains 0.5 - 1 m intervals of heterolithic volcanic breccia, locally graphitic. Unit is not foliated. {139.20-144.10|«9,bx,g» Felsic Intrusive breccia, locally graphitic		{121.00-126.50|«CbPW» weak, pervasive, carbonatization {126.50-130.40|«SePW» weak, pervasive, sericitization {139.20-140.90|«C>FM» moderate, fracture/vein controlled, carbonaceous alter.	some blebs up to 5-30 mm in size. 5 cm massive pyrite stringers @118.7 and 127.9 m.	
149.30 TO 184.10	«3,b,t,*a,*w,*z,<RWV>» Intermediate Volcanic medium grained pyroclastic tuff frag. (fel>maf) lithic tuff reworked volcanic	Strongly foliated @40° to CA; lapilli are flattened . 25-10% felsic, primarily tuffaceous lapilli <1x2 cm in size. Banded to layered-looking due to foliation. Locally, 10-40 cm thick beds of slightly more coarse or fine beds. <2% 5-10 cm thick argillaceous beds. Bedding parallel to foliation @38° to CA. Light to medium creamy yellow to greenish grey. Wispy lapilli. Sericitic schist. {160.00-160.10|«|S2 40°|strong» Foliation		{149.30-184.10|«SePW ,CbPW» weak, pervasive, sericitization; moderate, pervasive, carbonatization	{149.30-184.10|«PyD2.0%» 2.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	Debris	⟨165.00-165.10⟩«⟨S0 38°⟩ll to S2» Bedding ⟨165.90-168.60⟩«3,C,b,*c,*w» Heterolithic Volcanic medium grained, lapillistone, frag. (fel>maf), fines down-hole with gradational contact with tuff. Contacts parallel to foliation. ⟨172.50-178.65⟩«9,<APL>» Felsic Intrusive aplite, intrusive contacts @ 70-75° to CA, cross cutting foliation.				
184.10 TO 195.50	«3,a,*a,*f, <RWV>» Intermediate Volcanic fine grained tuff thickly laminated reworked volcanic Debris	Upper contact gradational and interbedded with overlying unit and marked by absence of lapilli downhole. Moderately to strongly foliated @ 43° to CA. Medium to light grey, streaky due to foliation and fine bedding parallel to foliation @ 45° to CA. Unit becomes increasingly fine and appears more reworked downhole. ⟨188.00-188.10⟩«⟨S2 43°⟩ll bedding» Foliation ⟨189.60-192.30⟩«5,s,a,*g» Sulphide (>40%) fine grained, thinly laminated, fine reworked volcanic ash - bedding parallel to foliation @40° to CA. ⟨192.30-192.70⟩«⟨FAI⟩graphitic» Fault ⟨192.70-199.50⟩«5,*g,<CHM>» Sedimentary thinly laminated, chemical precipitate, light grey, crenulated, open space inter-bed filling of quartz-carbonate. Possible exhalite to limey mud. Beds are 2-4 mm thick, kinked and folded. ⟨194.00-194.40⟩«⟨S0 30°⟩cren.» Bedding parallel to foliation.		⟨184.10-189.60⟩«CbPW ,SePW» weak, pervasive, carbonatization; weak, pervasive, sericitization ⟨189.60-192.30⟩«CbPW ,K>PW» weak, pervasive, carbonatization; weak, pervasive, potassic alteration ⟨192.30-195.50⟩«CbPW ,K>PW» moderate, pervasive, carbonatization; weak, pervasive, potassic alteration; beds are crenulated and displaced parallel to bedding due open space filling. Potassic alteration indicated by soft pinkish (flesh coloured) beds.	1% fine disseminated pyrite ⟨189.60-192.30⟩«Py@55.0%» 55.0% bedded/banded pyrite, finely laminated/interbedded @38° to CA. ⟨192.30-195.50⟩«Py@5.0%» 5.0% disseminated/blebby pyrite streaks parallel to foliation @30° to CA; rare 5x5 mm euhedral pyrite crystals.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
195.50 TO 205.80	«5,s,*g,<ARG>» Sedimentary fine grained thinly laminated mudstone-argillite	Light grey, laminated fine reworked volcanic ash to argillite. Bedding parallel to foliation @33° to CA. ┤197.00-197.10├«┤S0 33°├ll bedding» Bedding		┤195.50-205.80├«CbPW» weak, pervasive, carbonatization	1% fine disseminated pyrite ┤196.54-196.90├«Py850.0%» 50.0% bedded/banded pyrite, very fine, finely bedded.	
205.80 TO 206.30	«2,a,*a,<RWV>» Mafic Volcanic fine grained tuff reworked volcanic Debris				None	
206.30 TO 233.00	«2,m,p» Mafic Volcanic massive pillowed	Fine grained, rare salvages, light green, no amygdules, very little pillow breccia; no hyloclastite. ┤208.40-215.40├«9,<APL>» Felsic Intrusive aplite, contacts chilled and @80° to CA.		┤206.30-233.00├«CbPW ,CbFW» moderate, pervasive, carbonatization; weak, fracture/vein controlled, carbonatization	<1% fine disseminated pyrite.	
233.00 TO 233.00	«EOH» End-Of-Hole					

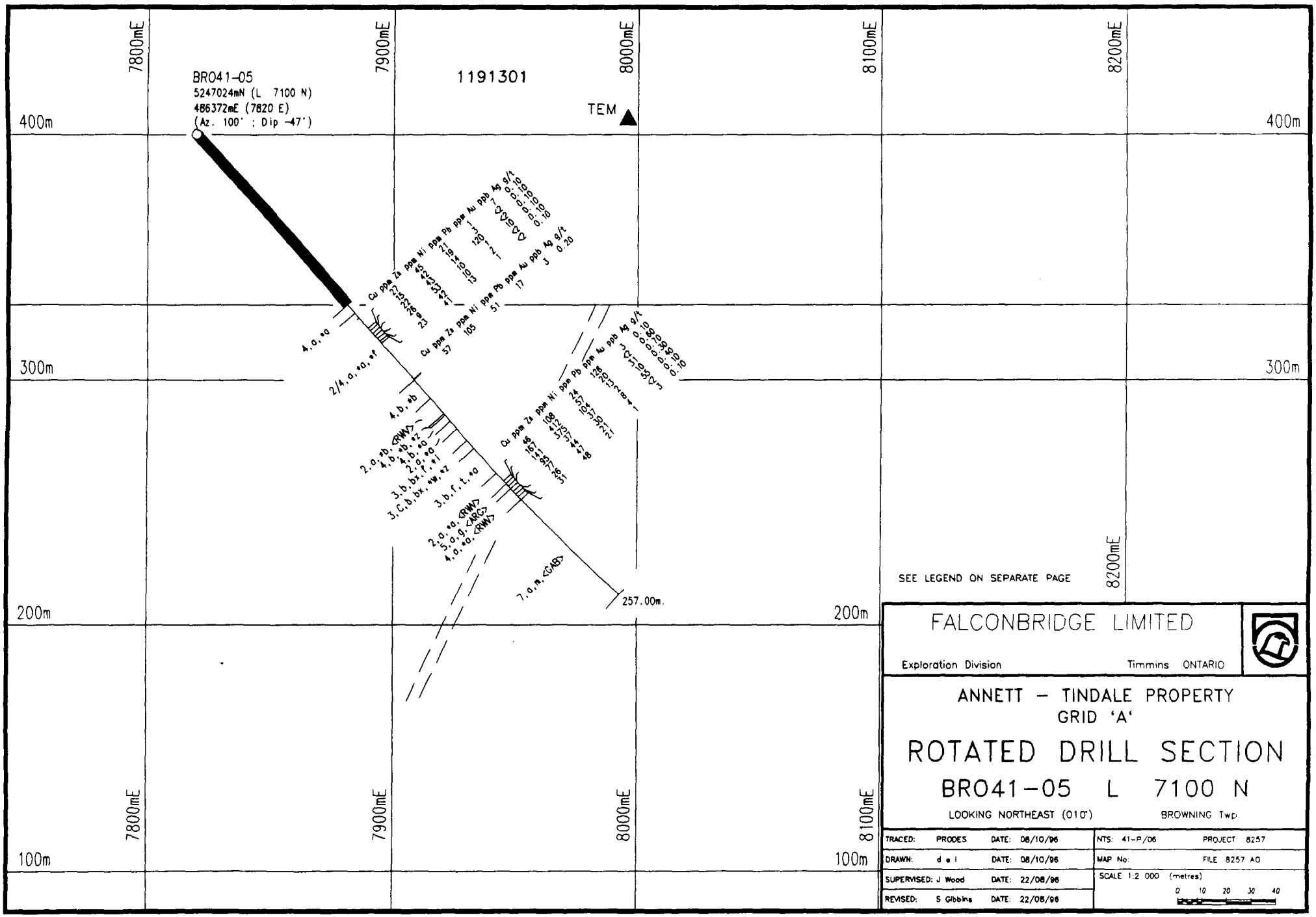
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02045	84.80	86.30	1.50	23	34	1	11	2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	3,a,t,*a,<RWV>	
AT02046	86.30	87.80	1.50	24	52	3	11	7	0.1										0.0	0.0	7.0	0.0	0.0	0.0	3,a,t,*a,<RWV>	
AT02047	87.80	88.40	0.60	21	45	1	10	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	3,a,t,*a,<RWV>	
AT02048	88.40	90.30	1.90	25	53	19	52	<2	0.6										0.0	0.0	45.0	0.0	0.0	0.0	3,a,t,*a,<RWV>	
AT02049	90.30	92.00	1.70	21	160	1	16	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	3,a,t,*a,<RWV>	
AT02050	118.11	119.00	0.89	48	75	18	43	17	0.6										0.0	0.0	2.0	0.0	0.0	0.0	3,C,bx,c,t,*w	
AT02051	119.00	120.50	1.50	23	50	2	24	<2	0.1										0.0	0.0	2.0	0.0	0.0	0.0	3,C,b,bx,*w	
AT02052	120.50	122.00	1.50	31	77	1	138	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	5,<ARG>	
AT02053	122.00	123.50	1.50	22	54	1	23	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	5,<ARG>	
AT02054	123.50	125.00	1.50	30	118	5	21	<2	0.2										0.0	0.0	3.0	0.0	0.0	0.0	5,<ARG>	
AT02055	125.00	126.50	1.50	17	52	1	19	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	5,<ARG>	
AT02056	126.50	128.00	1.50	14	73	22	26	<2	0.2										0.0	0.0	5.0	0.0	0.0	0.0	3,C,b,bx,*w	
AT02057	128.00	129.00	1.00	17	92	26	55	<2	0.1										0.0	0.0	5.0	0.0	0.0	0.0	3,C,b,bx,*w	
AT02058	189.60	191.00	1.40	61	119	6	25	3	0.2										0.0	0.0	35.0	0.0	0.0	0.0	3,a,*a,<RWV>	
AT02059	191.00	192.30	1.30	72	63	11	25	7	0.3										0.0	0.0	60.0	0.0	0.0	0.0	3,a,*a,<RWV>	
AT02060	192.30	194.00	1.70	74	121	3	21	<2	0.2										0.0	0.0	5.0	0.0	0.0	0.0	3,a,*a,<RWV>	
AT02061	194.00	195.50	1.50	38	83	3	47	<2	0.1										0.0	0.0	5.0	0.0	0.0	0.0	3,a,*a,<RWV>	
AT02062	195.50	196.30	0.80	58	80	5	22	<2	0.2										0.0	0.0	30.0	0.0	0.0	0.0	5,*g,<ARG>	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA20 %	K20 %	FE203 %	TIO2 %	P205 %	MNO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01419	26.00	29.00	3.00	69.39	12.60	0.95	1.32	4.21	1.44	5.35	0.44	0.12	0.03	0.02	1.77	97.64	12	140		40	35	20		3,b,t,*a,*w,*z	4jA	191
AT01420	53.00	56.00	3.00	68.49	15.05	1.61	0.89	5.60	2.08	2.90	0.53	0.16	0.05	0.01	2.75	100.12	16	182		20	85	10		3,a,t,*b,*w,*z	3j	162
AT01421	77.00	80.00	3.00	67.75	15.55	1.70	0.98	5.85	1.96	2.91	0.59	0.16	0.05	0.01	3.06	100.57	16	196		15	20	20		3,b,t,*a,*w,*z	3j	164
AT01422	84.80	87.80	3.00	64.53	13.06	4.12	1.43	1.82	3.16	4.36	0.44	0.12	0.13	0.01	7.03	100.21	14	158		15	45	10		3,a,t,*a,<RWV>	4jA$	144
AT01423	92.00	95.00	3.00	66.36	14.49	2.52	1.35	1.34	2.84	7.11	0.45	0.16	0.07	0.01	3.81	100.51	10	122		20	50	25		3,a,t,*a,<RWV>	4jA	216
AT01424	98.00	101.00	3.00	67.20	13.80	3.96	0.92	4.06	2.06	3.58	0.38	0.12	0.07	0.02	4.34	100.51	10	120		15	50	15		9,b,d,P	9jA	137
AT01425	113.00	116.00	3.00	63.83	15.63	2.55	2.10	6.06	0.82	5.89	0.46	0.12	0.10	0.01	2.71	100.28	12	108		15	70	20		3,C,b,bx,t,*w	4jA$	166
AT01426	122.00	125.00	3.00	63.76	15.56	2.10	3.21	2.60	2.42	6.31	0.48	0.12	0.17	0.01	4.10	100.84	12	126		15	65	30		5,<ARG>	5	219
AT01427	152.00	155.00	3.00													0.00								3,b,*a,<RWV>		******
AT01428	185.00	188.00	3.00	64.23	13.45	4.79	1.81	3.04	2.10	4.23	0.48	0.14	0.13	0.01	6.12	100.53	14	134		30	5	25		3,a,*a,<RWV>	3j	135
AT01429	191.00	194.00	3.00	64.23	15.58	4.61	1.21	1.12	2.54	4.84	0.60	0.32	0.08	0.00	5.25	100.38	18	146		20	150	<5		3,a,*a,<RWV>	3jy$	188
AT01430	200.00	203.00	3.00	46.93	13.41	10.21	4.36	0.32	1.16	12.03	1.02	0.10	0.19	0.03	11.13	100.89	22	52		90	135	115		5,*g,<ARG>	5	115
AT01431	221.00	224.00	3.00	48.60	14.49	12.28	5.16	1.82	0.06	13.08	1.09	0.14	0.21	0.04	3.93	100.90	22	58		100	75	110		2,m,p	2hv	102

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01419	26.00	29.00	3.00						15		1200	40																	
AT01420	53.00	56.00	3.00						<5		<100	55																	
AT01421	77.00	80.00	3.00						<5		100	45																	
AT01422	84.80	87.80	3.00						5		7000	25																	
AT01423	92.00	95.00	3.00						10		100	60																	
AT01424	98.00	101.00	3.00						<5		<100	35																	
AT01425	113.00	116.00	3.00						15		8100	60																	
AT01426	122.00	125.00	3.00						15		1400	80																	
AT01427	152.00	155.00	3.00																										
AT01428	185.00	188.00	3.00						5		300	55																	
AT01429	191.00	194.00	3.00						<5		9300	45																	
AT01430	200.00	203.00	3.00						40		<100	260																	
AT01431	221.00	224.00	3.00						45		100	310																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01419	26.00	29.00	3.00														<1						12		0.37	0.08	15	35	8
AT01420	53.00	56.00	3.00														1						9		0.42	0.11	11	29	15
AT01421	77.00	80.00	3.00														1						10		0.44	0.11	20	28	3
AT01422	84.80	87.80	3.00														1						8		0.44	0.32	7	44	25
AT01423	92.00	95.00	3.00														<1						10		0.31	0.17	19	52	37
AT01424	98.00	101.00	3.00														<1						6		0.38	0.29	16	27	12
AT01425	113.00	116.00	3.00														<1						10		0.46	0.16	10	25	12
AT01426	122.00	125.00	3.00														<1						11		******	******	******	******	******
AT01427	152.00	155.00	3.00																						******	******	******	******	******
AT01428	185.00	188.00	3.00														<1						8		0.50	0.36	14	33	2
AT01429	191.00	194.00	3.00														<1						9		0.37	0.30	4	40	134
AT01430	200.00	203.00	3.00														<1						38		******	******	******	******	******
AT01431	221.00	224.00	3.00														<1						41		0.48	0.85	21	27	41

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01419	26.00	29.00	3.00		10	
AT01420	53.00	56.00	3.00		10	
AT01421	77.00	80.00	3.00		10	
AT01422	84.80	87.80	3.00		<5	
AT01423	92.00	95.00	3.00		5	
AT01424	98.00	101.00	3.00		<5	
AT01425	113.00	116.00	3.00		5	
AT01426	122.00	125.00	3.00		<5	
AT01427	152.00	155.00	3.00			
AT01428	185.00	188.00	3.00		10	
AT01429	191.00	194.00	3.00		<5	
AT01430	200.00	203.00	3.00		<5	
AT01431	221.00	224.00	3.00		<5	



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'A'

ROTATED DRILL SECTION

BR041-05 L 7100 N

LOOKING NORTHEAST (010°) — BROWNING Twp.

TRACED:	PRODES	DATE: 08/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 08/10/96	MAP No:	FILE 8257 AO
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 22/08/96	0 10 20 30 40	

HOLE NUMBER: BR041-05

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191301
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5247024.00N
EAST: 486372.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid A
NORTH: 71+ 0N
EAST: 78+20E
ELEV: 400.00

COLLAR DIP: -47° 0' 0"
LENGTH OF THE HOLE: 257.00M
START DEPTH: 0.00M
FINAL DEPTH: 257.00M

COLLAR ASTRONOMIC AZIMUTH: 100° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 03/22/1996
DATE COMPLETED: 03/25/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 486372E,5247024N

COMMENTS : Target on 2 TEM anomalies 100 m deep.
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
90.00	0° 0' 0"	-49° 0' 0"	A	DO	
120.00	0° 0' 0"	-48° 0' 0"	A	DO	
180.00	0° 0' 0"	-47° 0' 0"	A	DO	
257.00	0° 0' 0"	-42° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 93.00	«|OB|» Casing Overburden					
93.00 TO 97.47	«4,a,*a» Felsic Volcanic fine grained tuff	Medium grey, fine felsic tuff, weakly foliated @45° to CA. Weakly laminated parallel to foliation |96.00-96.10|«|SO 45°|ll to fol.» Bedding		|93.00-97.47|«SePW ,SiPW» weak, pervasive, sericitization; weak, pervasive, silicification	Barren	
97.47 TO 134.30	«2/4,a,*a,*f» Interbeded Mafic/Felsic Volcanic fine grained tuffthickl	Dark to medium forest green fine ash tuff grossly interbedded/intercalated with fine medium grey felsic tuff, similar to previous unit. Individual beds vary from <5cm to 100 cm, average 30 cm. Bedding is @48° to CA, parallel to foliation. Felsic tuff is slightly coarser than mafic tuff. Mafic tuff contains 10-15% 1-3 mm pinkish garnets, presumed to be due to alteration. Whole unit could be pervasively chloritized felsic unit, with the chlorite concentrated in bands parallel with bedding/foliation. |121.00-123.20|«8,a,m» Intermediate Intrusive fine grained, massive, contacts are irregular; dyke is unfoliated.		|97.47-134.30|«GtPM ,ChPM» moderate, pervasive, garnet; moderate, pervasive, chloritization. Garnets are concentrated (15%) within mafic tuffs, locally colloform with pervasive chlorite.	1% fine dissminated pyrite and minore pyrrhotite |105.70-114.00|«Po3.0%,Py1.0-2.0%» 3.0% disseminated/blebby pyrrhotite; 1.0-2.0% disseminated/blebby pyrite associated with colloform garnets in chloritic/mafic unit. |133.85-134.14|«Py820.0%» 20.0% bedded/banded pyrite @45 to CA.	
134.30 TO 144.38	«4,b,*b» Felsic Volcanic medium grained lapilli tuff	Lapilli-tuff, locally fines to tuff. Medium brownish-grey. Predominantly ash-lapilli, not lithic; very similar-looking to matrix. Upper contact sub-parallel to foliation @55° to CA. |140.00-144.46|«8,a,D,P» Intermediate Intrusive fine grained, feldspar phyric, porphyritic, <5% feldspar crystals 2-3 mm in size. Dark grey. Upper contact @60° to CA.		Weak, local sericitization.	Barren.	
144.38 TO 152.32	«2,a,*b,<RWV>» Mafic Volcanic fine grained lapilli	Wispy, mottled, dark brownish-grey to medium green. This 'unit' represents 3-4 depositional units, similar in appearance and 1 - 2 m thick. Contacts are parallel to foliation @50° to CA, but are generally gradational. |147.80-151.95|«7,a,m»		|148.38-147.80|«SePW» weak, pervasive, sericitization	|144.38-147.80|«Py01.0-2.0%» 1.0-2.0% disseminated/blebby pyrite |151.95-152.32|«Py03.0-5.0%» 3.0-5.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	tuff reworked volcanic Debris	Mafic Intrusive fine grained, massive, medium green, unfoliated. Upper contact @25° to CA. Lower contact is irregular.				
152.32 TO 153.15	«4,b,*b,*z» Felsic Volcanic medium grained lapilli tuff lithic tuff	Medium whitish-grey with 45% white angular 3-20mm cherty looking fragments. Upper contact @47° to CA.		ǂ152.32-153.15ǂ«SiPW» weak, pervasive, silicification		
153.15 TO 156.40	«4,b,*a» Felsic Volcanic medium grained tuff	Light grey, similar to up-hole unit at 134.30 m. Moderatly foliated @ 41° to CA. ǂ155.40-155.50ǂ«ǂS2 41°ǂ» Foliation		ǂ153.15-156.40ǂ«SiPW» weak, pervasive, silicification		
156.40 TO 160.70	«2,a,*a» Mafic Volcanic fine grained tuff	Medium grey-green: similar to mafic interbeds in up-hole intercalated unit. Coarsens down-hole to lapilli tuff. Contains 10% 1-2mm pinkish garnets presumed to be alteration. Moderately foliated, upper contact gradational.		ǂ156.40-159.50ǂ«ChPW ,GtPW» weak, pervasive, chloritization; weak, pervasive, garnet	Barren	
160.70 TO 166.90	«3,b,bx,f,*i» Intermediate Volcanic medium grained breccia primary fragmentals matrix supported	Light greenish-grey. Light fine grained tuffaceous matrix with 45-55% angular fragments average 1-3 cm in size, all of fine grained, medium grained intermediate(?) volcanic composition. Medium grained flow-breccia(?). Weak foliation @40° to CA.		ǂ160.70-166.90ǂ«SiPW» weak, pervasive, silicification; matrix of unit looks weakly siliceous.	Barren	
166.90 TO 171.30	«3,C,b,bx,*w,*z» Heterolithic Volcanic medium grained	Gradational contacts. Marked by occurrence of 25% 5x7 cm felsic lapilli, within intermediate looking greenish-white tuffaceous matrix. Weakly foliated.		ǂ166.90-171.30ǂ«SiPW» weak, pervasive, silicification	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	breccia frag. (fel>maf) lithic tuff					
171.30 TO 185.00	«3,b,f,t,*a» Intermediate Volcanic medium grained primary fragmentals pyroclastic tuff	Gradational upper contact marked by absence of large felsic lapilli characteristic of previous unit. Otherwise matrix is very similar. Medium grained light to medium greenish grey, shardy to coarse ash-looking material with 25% 2x3 mm fragments. Weakly foliated @50° to CA. Crudely grossly bedded with finer ash layers 30-100 cm thick.		┤171.30-185.00├«ChPW ,SiPW» weak, pervasive, chloritization; weak, pervasive, silicification; core has a slight chloritic discoloration throughout.	Barren	
185.00 TO 191.16	«2,a,*a,<RW V>» Mafic Volcanic fine grained tuff reworked volcanic Debris	Medium grey with greenish grey zones. Fine grained, moderately foliated at 45° to CA. Has the apperance of being a reworked volcanic arenite, possible of felsic composition. ┤190.00-190.10├«┤S2 40°├» Foliation		┤185.00-186.50├«GtPW» weak, pervasive, garnet - 5% fine 1-2 mm pink garnets. ┤186.50-189.00├«SiPW» weak, pervasive, silicification ┤189.00-191.16├«SePS» strong, pervasive, sericitization	┤189.00-191.00├«PyD3.0%» 3.0% disseminated/blebby pyrite ┤191.00-191.16├«PyM65.0%» 65.0% massive pyrite	
191.16 TO 193.87	«5,a,g,<ARG>» Sedimentary fine grained graphitic/argillaceous mudstone-argillite	Black to dark grey, locally graphitic and locally strongly conductive due to both graphite and bedded sulphides. Bedding is strongly contorted and kinked with core axis angles all over the place, but generally trends @50° to CA. Interspersed locally with 1-10 cm fine reworked , but tuffaceous-looking beds with 25% 1-2 mm fragments (replaced by sulphides)			┤191.16-193.67├«PoB15.0-50.0%,PyB5.0-15.0%,CpD1.0%,SphC1.0%» 15.0-50.0% bedded/banded pyrrhotite; 5.0-15.0% bedded/banded pyrite; 1.0% disseminated/blebby chalcopyrite; 1.0% clasts/fragment of sphalerite. Bedded @50° to CA, locally massive in sections 10 and 40 cm thick.	
193.87 TO 200.10	«4,a,*a,<RW V>» Felsic Volcanic fine grained tuff	Medium grey, highly sulphidic, with layers and heavy disseminations of pyrrhotite, pyrite and strongly sericitized felsic(?) ash. Locally 10-15 cm section of non-graphitic argillite. 15% 3-5 mm fragments that are replaced by sulphide - possibly transported sulphide.		Moderate pervasive sericite.	┤193.87-196.10├«PoC45.0%,PyC15.0%,CpD1.0%,SphD1.0%» 45.0% clasts/fragment of pyrrhotite; 15.0% clasts/fragment of pyrite; 1.0% disseminated/blebby chalcopyrite; 1.0%	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	reworked volcanic Debris				disseminated/blebby sphalerite @ 45-75° to CA, locally contorted. Fragments and blebs range in size from <2 mm to 3x4 cm. Likely sulphide replacement of tuffaceous fragments.	
200.10 TO 257.00	«7,a,m,<GAB>» Mafic Intrusive fine grained massive gabbro	Medium greenish-grey fine grained gabbro(?), with rare 1-2 m medium grained sections. Upper contact is @75° to CA. Not foliated. ⌊217.20-219.84⌋«7,a,m» Dark and very fine grained; contacts @90° to CA.		⌊200.10-257.00⌋«CbFW ,EpFW» weak, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, epidotization	Barren.	
257.00 TO 257.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02063	105.70	107.00	1.30	27	45	1	21	7	0.1										0.0	3.0	0.0	0.0	0.0	0.0	4,a,*a	
AT02064	107.00	108.50	1.50	15	42	3	19	<2	0.1										0.0	3.0	1.0	0.0	0.0	0.0	4,a,*a	
AT02065	108.50	110.00	1.50	22	43	120	14	<2	0.1										0.0	3.0	1.0	0.0	0.0	0.0	4,a,*a	
AT02066	110.00	111.50	1.50	26	53	1	10	10	0.1										0.0	3.0	1.0	0.0	0.0	0.0	4,a,*a	
AT02067	111.50	113.00	1.50	9	42	2	10	<2	0.1										0.0	3.0	1.0	0.0	0.0	0.0	4,a,*a	
AT02068	113.00	114.00	1.00	23	41	1	13	<2	0.1										0.0	3.0	1.0	0.0	0.0	0.0	4,a,*a	
AT02069	133.87	134.17	0.30	57	105	17	51	3	0.2										0.0	0.0	20.0	0.0	0.0	0.0	2,a,*a	
AT02070	189.50	191.00	1.50	46	108	126	24	3	0.1										0.0	2.0	3.0	0.0	0.0	0.0	2,a,*a,<RWV>	
AT02071	191.00	192.50	1.50	167	412	20	57	<2	0.6										0.0	5.0	5.0	0.0	0.0	0.0	5,a,g,*g	
AT02072	192.50	194.00	1.50	141	375	13	104	31	0.7										0.0	30.0	20.0	1.0	1.0	0.0	5,a,g	
AT02073	194.00	195.50	1.50	95	37	2	37	10	0.3										0.0	50.0	5.0	1.0	1.0	0.0	4,b,*a,<RWV>	
AT02074	195.50	197.00	1.50	77	44	8	30	55	0.4										0.0	15.0	20.0	0.0	1.0	0.0	4,b,*a,<RWV>	
AT02075	197.00	198.50	1.50	26	47	4	21	<2	0.1										0.0	0.0	0.0	0.0	0.0	0.0	4,b,*a,<RWV>	
AT02076	198.50	200.10	1.60	31	48	1	21	3	0.1										0.0	2.0	5.0	0.0	0.0	0.0	4,b,*a,<RWV>	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01432	95.00	98.00	3.00	71.56	13.06	2.54	2.03	0.50	2.36	4.34	0.26	0.10	0.12	0.01	3.56	100.44	10	138		10	20	10		4,a,*a	4JA	242
AT01433	101.00	104.00	3.00	73.75	10.41	2.54	1.63	0.44	2.06	7.06	0.17	0.06	0.33	0.03	1.88	100.36	14	174		100	35	15		4,a,*a	4JA	207
AT01434	128.00	131.00	3.00	60.19	12.78	5.91	3.87	0.89	1.98	8.69	0.38	0.10	0.35	0.01	5.04	100.19	8	104		25	65	35		4,a,*a	4JA	146
AT01435	136.00	139.00	3.00	69.75	14.56	2.57	1.77	0.40	4.06	3.06	0.52	0.16	0.10	0.01	3.30	100.26	16	146		110	40	30		4,b,*b	3J	207
AT01436	144.50	147.50	3.00	58.39	13.87	5.51	4.39	2.09	2.42	9.04	0.74	0.14	0.26	0.03	4.05	100.93	18	94		55	100	50		2,a,*b,<RWV>	2(J)WS	138
AT01437	156.40	159.40	3.00	53.88	13.91	6.27	3.81	0.30	1.54	15.46	0.47	0.10	0.80	0.03	3.80	100.37	12	84		40	100	35		2,a,*a	4JA	172
AT01438	161.00	164.00	3.00	68.69	14.16	3.22	1.65	0.95	3.26	3.04	0.36	0.12	0.13	0.01	3.14	98.73	6	114		25	35	25		3,b,bx	4JA	191
AT01439	176.00	179.00	3.00	67.23	14.02	4.43	2.48	0.80	1.86	5.87	0.35	0.12	0.26	0.03	2.89	100.34	10	120		15	70	10		3,C,b,f	4JA	198
AT01440	188.00	191.00	3.00	67.65	15.02	3.81	2.39	0.72	1.80	5.69	0.39	0.12	0.18	0.02	2.70	100.49	10	134		10	35	5		2,a,*a,<RWV>	4JA	237

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01432	95.00	98.00	3.00						<5		<100	15																	
AT01433	101.00	104.00	3.00						<5		4000	<5																	
AT01434	128.00	131.00	3.00						15		3500	65																	
AT01435	136.00	139.00	3.00						10		<100	55																	
AT01436	144.50	147.50	3.00						20		8800	155																	
AT01437	156.40	159.40	3.00						15		2600	120																	
AT01438	161.00	164.00	3.00						5		<100	40																	
AT01439	176.00	179.00	3.00						5		<100	45																	
AT01440	188.00	191.00	3.00						5		3400	30																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01432	95.00	98.00	3.00														<1						5		0.53	0.19	5	59	40
AT01433	101.00	104.00	3.00														<1						4		0.35	0.24	9	55	80
AT01434	128.00	131.00	3.00														<1						11		0.51	0.46	9	46	73
AT01435	136.00	139.00	3.00														<1						8		0.58	0.18	17	66	100
AT01436	144.50	147.50	3.00														2						23		0.54	0.40	11	47	48
AT01437	156.40	159.40	3.00														<1						14		0.37	0.45	9	45	333
AT01438	161.00	164.00	3.00														<1						6		0.56	0.23	15	54	37
AT01439	176.00	179.00	3.00														<1						6		0.50	0.32	4	45	88
AT01440	188.00	191.00	3.00														1						7		0.50	0.25	2	48	49

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01432	95.00	98.00	3.00		<5	
AT01433	101.00	104.00	3.00		<5	
AT01434	128.00	131.00	3.00		5	
AT01435	136.00	139.00	3.00		<5	
AT01436	144.50	147.50	3.00		<5	
AT01437	156.40	159.40	3.00		<5	
AT01438	161.00	164.00	3.00		15	
AT01439	176.00	179.00	3.00		10	
AT01440	188.00	191.00	3.00		<5	

HOLE NUMBER: BR052-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191301
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5247480.00N
EAST: 486665.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid A
NORTH: 76+ 0N
EAST: 80+30E
ELEV: 400.00

COLLAR DIP: -47° 0' 0"
LENGTH OF THE HOLE: 392.00M
START DEPTH: 0.00M
FINAL DEPTH: 392.00M

COLLAR ASTRONOMIC AZIMUTH: 280° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 03/24/1996
DATE COMPLETED: 03/28/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 486665E,5247480N

COMMENTS : Targeted on east dipping TEM anomaly at >80m
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-47° 0' 0"	A	DO	
120.00	0° 0' 0"	-48° 0' 0"	A	DO	
180.00	0° 0' 0"	-49° 0' 0"	A	DO	
240.00	0° 0' 0"	-48° 0' 0"	A	DO	
302.00	0° 0' 0"	-46° 0' 0"	A	DO	
350.00	0° 0' 0"	-45° 0' 0"	A	DO	
360.00	289° 0' 0"	-45° 0' 0"	S	OK	
392.00	0° 0' 0"	-44° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 56.00	«┤OB├» Casing Overburden					
56.00 TO 102.40	«7,b,m,<GAB >» Mafic Intrusive medium grained massive gabbro	Non-magnetic, medium greyish green, 10% light feldspar 1-2 mm feldspar crystals, 5% black amphibole clots. Lower contact @35° to CA.		None.	Barren	
102.40 TO 163.20	«10,a,m,Mag » Diabase fine grained massive magnetite	Medium greyish green, slightly darker than previous unit. Weakly locally magnetic. Lower contact @46° to CA, and chilled.		None.	Barren	
163.20 TO 166.50	«9,a,m,D» Felsic Intrusive fine grained massive feldspar phyric	Light to medium pinkish-grey, fine high level rhyolitic intrusive. Lower contact @25° to CA. 15% 1 mm sized feldspar crystals.		None.	Barren	
166.50 TO 171.30	«4,a,*a,*g» Felsic Volcanic fine grained tuff thinly laminated	Creamy greenish light grey, very fine grained , moderately foliated @35° to CA. ┤170.50-171.30├«9,a,m,D» Felsic Intrusive fine grained, massive, feldspar phyric, upper contact irregular; lower contact @ 15° to CA.		┤166.50-170.50├«SePM ,SiPW» moderate, pervasive, sericitization; weak, pervasive, silicification	Barren	
171.30 TO 186.50	«2,a,*g,<RW V>» Mafic Volcanic fine grained thinly laminated	Medium greenish grey, weakly laminated, fines downhole, moderately foliated @20° to CA. Probably strongly reworked volcanic tuff. Weakly bedded/laminated @20° to CA. ┤172.00-172.10├«┤S2 25°├ll bedding» Foliation		┤171.30-186.70├«SiPW» weak, pervasive, silicification	┤177.56-186.50├«PyD15.0%» 15.0% disseminated/blebby pyrite, likely originally bedded, but now re-crystallized parallel to foliation.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	reworked volcanic Debris	ǂ173.64-174.25ǂ«9,a,m,D» Felsic Intrusive fine grained, massive, feldspar phyric, same as previous intrusive unit. Upper contact @45° to CA; lower contact is irregular. Not foliated. ǂ176.28-177.56ǂ«9,a,m,D» Felsic Intrusive fine grained, massive, feldspar phyric, same as previous intrusive unit. ǂ185.00-185.10ǂ«ǂS2 20°ǂll bedding» Foliation				
186.50 TO 197.40	«3,b,f,*a» Intermediate Volcanic medium grained primary fragmentals tuff	Felsic to intermediate tuff with very strong foliation @28° to CA. Light creamy greenish-yellow grey. Primary textures all but erased. Hint of 20% angular 1x2 cm intermediate volcanic fragments. ǂ196.00-196.10ǂ«ǂS2 30°ǂstrong» Foliation		ǂ186.50-197.40ǂ«SePM ,SiPM» moderate, pervasive, sericitization; moderate, pervasive, silicification	ǂ186.50-188.00ǂ«Py05.0%» 5.0% disseminated/blebby pyrite	
197.40 TO 222.00	«4,b,q,t,*a» Felsic Volcanic medium grained quartz phyric pyroclastic tuff	Strongly foliated @20° to CA. Light creamy yellowish grey, with primary textures all but erased. Locally intermediate to felsic lapilli are observable, with up to 10% 1-3 mm quartz crystals. Crude layering of 1-2 m finer and coarser beds. ǂ213.00-213.10ǂ«ǂS2 30°ǂSTRONG» Foliation ǂ220.40-222.00ǂ«7,b,m» Mafic Intrusive medium grained, massive, contacts at 80° to CA.		ǂ197.40-220.40ǂ«SePM ,SiPM» moderate, pervasive, sericitization; moderate, pervasive, silicification. "sericite schist'	Barren ǂ220.10-220.40ǂ«Py045.0%» 45.0% disseminated/blebby pyrite stretched 'beds' parallel to foliation @20° to CA.	
222.00 TO 232.80	«4,a,t,*a,*g» Felsic Volcanic fine grained pyroclastic tuff thinly laminated	Light grey, strongly foliated @42° to CA. Laminated looking due to strong foliation/stretching of fragments. 20%(?) angular medium grey volcanic lapilli <5x5 mm. Lower contact is parallel to foliation @50° to CA. ǂ228.50-228.60ǂ«ǂS2 42°ǂStrong» Foliation ǂ231.00-231.87ǂ«9,a,m,D» Felsic Intrusive		ǂ222.00-232.80ǂ«SePW» weak, pervasive, sericitization	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		fine grained, massive, feldspar phyric, same as previous intrusive units; upper contact @15° to CA, lower contact @55° to CA.				
232.80 TO 237.30	«2,a,*a,*g» Mafic Volcanic fine grained tuff thinly laminated	Very fine grained. faintly to weakly laminated, moderately foliated @27° to CA, fine mafic ash with blebby crudely bedded recrystallized 10-15% pyrite and minor pyrrhotite strung out parallell to foliation. Medium green. ┤235.70-237.10├«4,a,*a» Felsic Volcanic fine grained, tuff, felsic interbed @45° to CA. Faint indication of crenulated to contorted or kinked bedding		┤232.80-237.30├«ChPW ,SiSW» weak, pervasive, chloritization; weak, spotty, silicification	┤232.80-237.10├«PyD10.0%,PoD5.0%» 10.0% disseminated/blebby pyrite; 5.0% disseminated/blebby pyrrhotite ┤237.10-237.30├«PyD10.0%,PoD5.0%» 10.0% disseminated/blebby pyrite; 5.0% disseminated/blebby pyrrhotite	
237.30 TO 241.40	«4,a,q,*a,*g» Felsic Volcanic fine grained quartz phyric tuff thinly laminated	Light grey, moderately foliated @30° to CA. Contacts parallel to foliation. 5-10% <1mm quartz crystals		┤237.30-241.40├«SePW» weak, pervasive, sericitization	┤239.80-240.00├«PyF70.0%» 70.0% fracture/vein controlled pyrite @25° to CA, parallel to foliation. Conductor.	
241.40 TO 307.85	«4,b,*a,*x,*z,<RWV>» Felsic Volcanic medium grained tuff frag. (maf>fel) lithic tuff reworked volcanic Debris	Light to medium grey , strongly foliated @30° to CA felsic (rhyolite?) tuff, with 5-15% stretched, angular medium green, intermediate/mafic(?) lapilli and shards from <1x2 mm up to 5x20 mm in size. Coarse, tuffy appearance. Relatively massive, with no indication of interbeds. Looks like a felsic fine ash matrix with mafic shardy lapilli and/or fine grey sediment rip-ups. Foliation is moderate to strong, flattening dark lapilli and masking primary textures. Possibley reworked, possibly more intermediate in composition. No quartz eyes or any crystals. Entire unit may fine down hole. ┤241.55-247.67├«10,a,m,Mag» Diabase fine grained, massive, magnetite, upper contact irregular and brecciated; lower contact @20° to CA.		┤241.40-307.85├«SiPM ,SePW» moderate, pervasive, silicification; weak, pervasive, sericitization. Looks like unit should be calcium carbonate altered (ie. light, chalky in colour) but no fizz with HCl.	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		┤250.20-253.65├«7,a,m,<GAB>» Mafic Intrusive fine grained, massive, gabbro, contacts @80° to CA. ┤261.50-261.60├«┤S2 25°├strong» Foliation ┤282.00-282.10├«┤S2 45°├Strong» Foliation ┤306.00-306.10├«┤S2 65°├Strong» Foliation Foliation appears to be intersecting hole at higher angle to core axis.				
307.85 TO 308.15	«5,a,*f,<ARG>» Sedimentary fine grained thickly laminated mudstone-ar gillite	Dark grey, fine laminated sediment, possible reworked fine ash, Upper contact @65° to CA, parallel to foliation.		None	Barren	
308.15 TO 320.00	«4,a,*a,*f, *z,<RWV>» Felsic Volcanic fine grained tuff thickly laminated lithic tuff reworked volcanic Debris	Light, locally creamy grey, with medium grey 'streaks' parallel to foliation, which is very irregular , kinked and contorted. Similar ashy unit as above previous unit, but finer and apparently without the dark fragments. Upper contact @47° to CA, subparallel to foliation.		┤381.15-320.00├«SiPM ,SePW» moderate, pervasive, silicification; weak, pervasive, sericitization, pale blue-green silicification in crenulated beds, thickened by alteration.	Barren	
320.00 TO 323.67	«4,b,*a,*x, *z,<RWV>» Felsic Volcanic medium grained tuff frag.	Same as unit above the two previous units. Light grey with dark grey specks, fine felsic-looking ash matrix with 10% dark mafic? lapilli that are stretched parallel to foliation @47° to CA, and 3x10 mm in size, slightly chloritic-looking fragments. Upper contact associated with thin mafic dyke; lower contact @50° to CA.		┤320.00-325.67├«SePW» weak, pervasive, sericitization	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	(maf>fel) lithic tuff reworked volcanic Debris					
323.67 TO 325.80	«4,a,*a» Felsic Volcanic ffine grained tuff	Light grey, fine felsic ash-tuff. Lighter than previous units. Contacts @45° to CA.		None.	Barren.	
325.80 TO 361.80	«2/4,a,*a,*z,<RWV>» Interbedded Mafic and Felsic Volcanic fine grained tuff lithic tuff reworked volcanic Debris	Reworked, subaqueously, interbedded fine volcanic ash sized material, crudely intercalated felsic/intermediate(?) and mafic in composition. Mostly light to medium grey, 'muddy' looking in sections with ash to fine lapilli sized rounded fragments of fine ash. Weak to moderately foliated, locally contorted, but not tightly folded. Foliation is @51° to CA. Individual sub-units are 50 to 200 cm thick, average 1 m. Felsic material is fine ash; no quartz. Mafic material is medium green, weakly pyritic, and finer grained. {339.60-355.50}«10,b,m,Mag» Diabase medium grained, massive, magnetite, contacts @65° to CA.		{325.80-339.60}«SePW ,CbPW,SiPW» weak, pervasive, sericitization; weak, pervasive, carbonatization; weak, pervasive, silicification {355.50-361.80}«SiPW» weak, pervasive, silicification	{355.50-361.80}«Py02.0%,Cp00.2%» 2.0% disseminated/blebby pyrite; 0.2% disseminated/blebby chalcopyrite {725.80-337.60}«Py01.0%» 1.0% disseminated/blebby pyrite mostly in more mafic units	
361.80 TO 392.00	«2,a,*a,*z,<RWV>» Mafic Volcanic fine grained tuff lithic tuff reworked volcanic Debris	Fine grained reworked mafic(?) ash, strongly altered, moderately foliated, moderately contorted with 'M' parasitic folds to kink bands running parallel to core axis. Medium greenish to purplish grey, locally creamy olive green. Fine limey ash,laminated and contorted, fine sedimentary 1-2 cm thick beds noted between 361.80 to 365.80 m. {378.40-392.00}«10,b,m,Mag» Diabase medium grained, massive, magnetite, @48° to CA.		{361.80-378.40}«SiPM ,ChPW,SePW» moderate, pervasive, silicification; weak, pervasive, chloritization; weak, pervasive, sericitization {374.50-375.70}«SiPS ,SePW» strong, pervasive, silicification; weak, pervasive, sericitization	{361.80-378.40}«Py03.0%» 3.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
392.00 TO 392.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02077	177.56	179.00	1.44	48	96	5	17	10	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02078	179.00	180.50	1.50	41	91	1	13	<2	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02079	180.50	182.00	1.50	75	98	3	15	<2	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02080	182.00	183.50	1.50	61	83	2	11	17	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02081	183.50	185.00	1.50	60	85	4	15	<2	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02082	185.00	186.50	1.50	40	72	7	12	<2	0.1										0.0	0.0	0.0	0.0	0.0	0.0	2,a,*a	
AT02083	186.50	188.00	1.50	113	52	9	30	3	0.2										0.0	0.0	5.0	0.0	0.0	0.0	4,b,*a	
AT02084	220.10	220.40	0.30	94	50	33	17	72	0.9										0.0	0.0	45.0	0.0	0.0	0.0	4,b,*a	
AT02085	232.80	234.50	1.70	58	125	3	32	14	0.2										0.0	10.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02086	234.50	235.70	1.20	32	118	1	25	<2	0.1										0.0	10.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02087	235.70	237.10	1.40	8	62	1	13	<2	0.1										0.0	0.0	0.0	0.0	0.0	0.0	4,a,*a	
AT02088	237.10	237.90	0.80	91	150	10	26	<2	0.3										0.0	10.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02089	237.90	239.26	1.36	4	48	1	11	3	0.1										0.0	0.0	2.0	0.0	0.0	0.0	4,a,*a	
AT02090	239.26	240.00	0.74	86	67	7	37	31	0.4										0.0	0.0	10.0	0.0	0.0	0.0	4,a,*a	thin cond.

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA20 %	K20 %	FE203 %	TIO2 %	P205 %	MNO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01441	167.00	170.00	3.00	70.67	14.99	0.87	1.42	1.78	3.12	2.94	0.29	0.10	0.08	0.03	2.13	98.42	<2	122		<5	25	10		4,a,*a,*g	4jA	260
AT01442	179.00	182.00	3.00	53.08	11.50	0.93	4.97	0.47	0.58	21.83	0.42	0.12	0.63	0.01	5.88	100.42	18	108		35	45	15		2,a,*a,*g,<RWV>	4(j)A$	581
AT01443	191.00	194.00	3.00	73.91	12.32	0.83	1.22	0.63	3.44	3.36	0.19	0.06	0.08	0.02	2.08	98.14	16	188		10	45	10		3.b,f,*a	4jA	251
AT01444	203.00	206.00	3.00	75.54	12.05	1.16	1.31	0.52	3.26	2.31	0.18	0.06	0.06	0.04	2.42	98.91	18	194		10	40	<5		4,b,*a	4jA	244
AT01445	217.00	220.00	3.00	73.86	13.72	1.98	0.88	0.79	3.74	2.15	0.24	0.08	0.04	0.05	3.23	100.76	12	174		10	25	15		4,b,*a	4jA	211
AT01446	227.00	230.00	3.00	74.54	12.45	2.53	0.71	0.23	3.64	2.28	0.18	0.06	0.05	0.03	3.12	99.82	16	192		35	30	15		4,a,t,*a,*g	4jA	195
AT01447	232.80	235.80	3.00	51.35	9.11	5.89	4.09	<0.01	0.10	20.07	0.25	0.06	0.64	0.01	6.25	97.83	16	70		15	85	5		2,a,*a	4(h)A$	152
AT01448	257.00	260.00	3.00	74.25	13.03	1.76	0.96	1.32	3.34	3.29	0.20	0.06	0.07	0.04	2.26	100.58	16	218		35	60	5		4,b,t,*a,*z	4jA	203
AT01449	278.00	281.00	3.00	74.17	13.31	2.09	0.82	0.57	3.62	3.04	0.21	0.06	0.09	0.03	2.36	100.37	18	212		10	50	20		4,b,t,*a,*z	4jA	212
AT01450	299.00	302.00	3.00	74.39	12.07	3.19	0.67	0.58	3.02	2.60	0.17	0.06	0.07	0.03	3.48	100.33	16	192		10	50	5		4,b,*a,*x,*z	4jA	178
AT01451	309.00	312.00	3.00	77.86	11.59	0.79	1.28	0.61	2.72	3.50	0.17	0.06	0.07	0.03	2.00	100.68	16	182		75	45	<5		4,a,*a,*z,<RWV>	4jA	281
AT01452	329.00	332.00	3.00	76.36	12.72	0.94	1.34	0.58	3.60	1.88	0.09	0.06	0.04	0.05	2.23	99.89	22	106		10	10	<5		4,a,*a,*z,<RWV>	4(h)B	248
AT01453	336.00	339.00	3.00	60.51	13.67	3.33	4.68	0.85	3.00	10.54	0.70	0.08	0.18	0.04	3.26	100.84	22	98		30	140	55		2,a,*a,*z,<RWV>	2(h)W	190
AT01454	358.00	361.00	3.00	70.29	11.37	0.89	3.46	1.60	2.38	7.77	0.24	0.06	0.13	0.04	2.38	100.61	26	120		15	65	25		2,a,*a,*z,<RWV>	4(h)B	233
AT01455	375.00	378.00	3.00	72.99	13.23	1.22	1.71	2.49	3.58	3.18	0.30	0.08	0.06	0.07	1.92	100.83	14	160		50	30	15		2,a,*a,<RWV>	4jA	181

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01441	167.00	170.00	3.00						5		<100	70																	
AT01442	179.00	182.00	3.00						10		35400	55																	
AT01443	191.00	194.00	3.00						<5		<100	<5																	
AT01444	203.00	206.00	3.00						5		2600	10																	
AT01445	217.00	220.00	3.00						5		<100	20																	
AT01446	227.00	230.00	3.00						5		600	10																	
AT01447	232.80	235.80	3.00						15		67300	50																	
AT01448	257.00	260.00	3.00						10		200	5																	
AT01449	278.00	281.00	3.00						<5		<100	15																	
AT01450	299.00	302.00	3.00						<5		<100	10																	
AT01451	309.00	312.00	3.00						5		400	<5																	
AT01452	329.00	332.00	3.00						5		800	20																	
AT01453	336.00	339.00	3.00						25		<100	160																	
AT01454	358.00	361.00	3.00						15		4100	30																	
AT01455	375.00	378.00	3.00						10		1400	25																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01441	167.00	170.00	3.00														1						5		0.53	0.06	7	63	14
AT01442	179.00	182.00	3.00														<1						8		0.35	0.08	3	80	96
AT01443	191.00	194.00	3.00														<1						6		0.46	0.07	8	76	71
AT01444	203.00	206.00	3.00														1						6		0.57	0.10	4	73	77
AT01445	217.00	220.00	3.00														<1						5		0.49	0.14	17	63	32
AT01446	227.00	230.00	3.00														<1						6		0.42	0.20	21	61	130
AT01447	232.80	235.80	3.00														<1						6		0.32	0.65	1	42	8500
AT01448	257.00	260.00	3.00														1						7		0.41	0.14	5	58	45
AT01449	278.00	281.00	3.00														1						5		0.39	0.16	24	63	88
AT01450	299.00	302.00	3.00														1						6		0.38	0.26	7	49	86
AT01451	309.00	312.00	3.00														<1						5		0.46	0.07	4	74	74
AT01452	329.00	332.00	3.00														1						4		0.63	0.07	4	76	17
AT01453	336.00	339.00	3.00														<1						21		0.51	0.24	12	65	165
AT01454	358.00	361.00	3.00														<1						6		0.51	0.08	7	70	41
AT01455	375.00	378.00	3.00														<1						6		0.56	0.09	9	59	12

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01441	167.00	170.00	3.00		<5	
AT01442	179.00	182.00	3.00		20	
AT01443	191.00	194.00	3.00		10	
AT01444	203.00	206.00	3.00		20	
AT01445	217.00	220.00	3.00		<5	
AT01446	227.00	230.00	3.00		<5	
AT01447	232.80	235.80	3.00		<5	
AT01448	257.00	260.00	3.00		10	
AT01449	278.00	281.00	3.00		10	
AT01450	299.00	302.00	3.00		<5	
AT01451	309.00	312.00	3.00		5	
AT01452	329.00	332.00	3.00		<5	
AT01453	336.00	339.00	3.00		5	
AT01454	358.00	361.00	3.00		<5	
AT01455	375.00	378.00	3.00		<5	

1191301

TEM
Moderate

TEM
Strong (80m)

TEM
Strong (100m)

TEM
Weak (110m)

BR052-02
5247488mN (L 7600 N)
486665mE (8030 E)
(Az. 280° ; Dip -50°)

5247488mN (L 7600 N)
486621mE (7985 E)
(Az. 89° ; Dip -52°)

332.00m.

392.00m.

7700mE
7800mE
7900mE
8000mE
8100mE
8200mE
8300mE
8400mE

400m
300m
200m
100m
0m

SEE LEGEND ON SEPARATE PAGE

FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'A'

ROTATED DRILL SECTION
BR052-02,03 L 7600 N

LOOKING NORTHEAST (010°) — BROWNING Twp.

TRACED:	PRODES	DATE: 08/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 08/10/96	MAP No:	FILE: 8257 AP
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	0 10 20 30 40
REVISED:	S Gibbins	DATE: 22/08/96		

HOLE NUMBER: BR052-03

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191301
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5247488.00N
EAST: 486621.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid A
NORTH: 76+ 0N
EAST: 79+85E
ELEV: 400.00

COLLAR DIP: -52° 0' 0"
LENGTH OF THE HOLE: 332.00M
START DEPTH: 0.00M
FINAL DEPTH: 332.00M

COLLAR ASTRONOMIC AZIMUTH: 89° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 03/29/1996
DATE COMPLETED: 03/31/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: 8W left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 486621E,5247488N

COMMENTS : Targeted on 2 TEM anomalies 120 m deep
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-54° 0' 0"	A	DO	
100.00	89° 0' 0"	-54° 0' 0"	S	OK	
120.00	0° 0' 0"	-54° 0' 0"	A	DO	
180.00	0° 0' 0"	-54° 0' 0"	A	DO	
200.00	92° 0' 0"	-54° 0' 0"	S	OK	
240.00	0° 0' 0"	-52° 0' 0"	A	DO	
290.00	0° 0' 0"	-51° 0' 0"	A	DO	
300.00	97° 0' 0"	-52°30' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 54.00	«|08|» Casing Overburden					
54.00 TO 96.88	«4,a,l,*a» Felsic Volcanic fine grained flows (banded) tuff	Mottled, light to medium creamy pale yellow-grey. No quartz crystals, very fine ash, possibly flow-banded, strongly effected by alteration and moderate foliation @15° to CA. Interbedded with 3-4 50 cm-150 cm thick mafic fine tuffs; beds are aligned parallel to foliation axis. |54.00-56.70|«2,a,*a,<RWV» Mafic Volcanic fine grained, tuff, reworded volcanic debris, lower contact joint-related. Possibly gradational contact. |71.70-76.90|«4,a,m» Felsic Volcanic fine grained, massive, 2% fine chloritic flecks. |83.56-85.37|«2,a,*a» Mafic Volcanic fine grained, tuff, very gradational contact - possibly represents addition of mafic material into the system or maybe localized chloritic alteration. |91.65-92.90|«2,a,*a» Mafic Volcanic fine grained, tuff, similar mafic unit as described above. contacts are gradational - possible due to alteration. |94.47-96.88|«2,a,*a» Mafic Volcanic fine grained, tuff, same as above mafic unit, gradational contact.		|54.00-56.70|«ChPW» weak, pervasive, chloritization |56.70-76.70|«SiPM ,SiPW» moderate, pervasive, silicification; weak, pervasive, silicification |76.70-76.90|«SePW» weak, pervasive, sericitization |76.90-91.65|«SePM ,SiPW,ChPW» moderate, pervasive, sericitization; weak, pervasive, silicification; weak, pervasive, chloritization locally. |91.65-96.88|«ChPW ,SiPW,SePW» weak, pervasive, chloritization; weak, pervasive, silicification; weak, pervasive, sericitization	|54.00-76.70|«PoF2.0%» 2.0% fracture/vein controlled pyrrhotite |54.30-54.82|«PoD40.0%» 40.0% disseminated/blebby pyrrhotite |56.70-71.70|«PyD2.0%» 2.0% disseminated/blebby pyrite |76.90-91.65|«PyD2.0%,PoD1.0%» 2.0% disseminated/blebby pyrite; 1.0% disseminated/blebby pyrrhotite, mostly concentrated in 5-10 cm thick seams and associated with the mafic-looking chloritic zones. |91.65-96.88|«PyD3.0%» 3.0% disseminated/blebby pyrite concentrated in 5-10 cm thick seams, weakly conductive, sub-parallel to foliation @50° to CA.	
96.88 TO 122.70	«4,a,m,*a» Felsic Volcanic fine grained massive tuff	Medium greyish green, fine well sorted ash, core is hard, but not particularly siliceous-looking. No quartz crystals. Not as flow-banded or layered as previous unit. Weakly foliated, possible bedded (parallel) @40° to CA. Primary textures are few.		|96.88-122.70|«SiPM ,SePW,ChPW» moderate, pervasive, silicification; weak, pervasive, sericitization; weak, pervasive, chloritization	|96.88-122.70|«PyD2.0%» 2.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
122.70 TO 123.70	«2,a,*a» Mafic Volcanic fine grained tuff	Dark green, fine grained, 25% 2x3 cm dark green angular mafic lapilli. {122.90-123.00}«|S2 46°|Mod.ll bed» Foliation		{122.70-123.70}«CbPW ,ChPW» weak, pervasive, carbonatization; weak, pervasive, chloritization	{122.70-123.70}«PyD10.0%» 10.0% disseminated/blebby pyrite, stretched parallel to foliation @45° to CA.	
123.70 TO 124.05	«4,a,q,*a» Felsic Volcanic fine grained quartz phyric tuff	Medium grey, fine grained, sulphidic, tuff, possible reworked. Contacts are gradational with mafic tuff.		{123.70-124.05}«SiPM ,SePW» moderate, pervasive, silicification; weak, pervasive, sericitization	{123.70-124.07}«PyD15.0%» 15.0% disseminated/blebby pyrite strung parallel to moderate foliation @38° to CA.	
124.05 TO 128.00	«2,a,m,*a» Mafic Volcanic fine grained massive tuff	Very fine grained, dark green mafic ash, without the lapilli noted in unit previous to the previous unit.		{124.05-127.60}«SiPW ,ChPW» weak, pervasive, silicification; weak, pervasive, chloritization {127.60-128.00}«SiFS» strong, fracture/vein controlled, silicification @75° to CA.	{126.44-128.00}«PyD15.0%» 15.0% disseminated/blebby pyrite, discordant to, but also parallel, foliation @55° to CA. {126.44-127.60}«PyM90.0%,PoD5.0%» 90.0% massive pyrite; 5.0% disseminated/blebby pyrrhotite, weak occassional banding @80° to CA {127.60-128.00}«PoF20.0%,PoF10.0%» 20.0% fracture/vein controlled pyrrhotite; 10.0% fracture/vein controlled pyrrhotite @75° to CA.	
128.00 TO 161.65	«4,b,q,*a,*y,*z» Felsic Volcanic medium grained quartz phyric tuff crystal tuff lithic tuff	Upper contact marked by quartz vein/fault(?) @75° to CA. Fine felsic ash matrix with 10% 1-2 mm sized quartz crystals, and 15-25% 5 mm sized subrounded lapilli that are completely repalaced and/or rimmed by sulphide. Possibly transported tuff - re-worked. Lower contact ireegular. {128.40-128.50}«|S2 55°|Mod.» Foliation {133.10-133.20}«|S0 65°|ll S2» Bedding {154.00-154.10}«|S2 35°|Mod.» Foliation		{128.00}«SePW ,SiPW» weak, pervasive, sericitization; weak, pervasive, silicification	{128.00-160.00}«PyC25.0-35.0%» 25.0-35.0% clasts/fragment of pyrite, concentrated locally in semi-massive 30-60 cm sections of 35-40% sulphide. Very fragmental looking with fragment size averaging less than 1 cm and are sub-rounded to sub-angular. I believe fragments have been replaced by sulphide. All are fine grained, massive and homogeneous. Primary textures are well preserved.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
161.65 TO 168.10	«4,a,l,m» Felsic Volcanic fine grained flows (banded) massive	Possible high level dyke. Upper contact irregular and discordant, with 'inclusions/rafts' of up-hole material. Appears to dilate stratigraphy. Light to medium grey. Weakly foliated. Massive. ┤166.08-166.80├«4,*a,<RWV>» Felsic Volcanic fine grained, tuff, reworked volcanic debris, limey re-worked felsic sediment. Contacts @55° to CA.		┤161.65-168.10├«SePW» weak, pervasive, sericitization	Barren.	
168.10 TO 180.30	«4,a,q,*a,*g,<RWV>» Felsic Volcanic fine grained quartz phyric tuff thinly laminated reworked volcanic Debris	Light creamy yellow grey. Streaky to banded parallel to moderate foliation @46° to CA. Very fine reworked rhyolitic ash with 5-15% quartz crystals 1-3 mm in size, beds are graded downhole, suggesting tops downhole. Individual beds are 5-25 cm thick. Bedding @52° to CA, parallel to foliation. ┤170.00-170.10├«┤S2 46°├Mod.ll S0» Foliation ┤172.60-174.40├«4,a,m» Felsic Volcanic fine grained, massive, high level dyke, contacts @44° to CA. Medium to light grey , 15% fine feldspars.		┤168.10-180.30├«SePS» strong, pervasive, sericitization, streaky to banded @46° to CA.	┤168.10-180.30├«Py02.0%,Po01.0%» 2.0% disseminated/blebby pyrite; 1.0% disseminated/blebby pyrrhotite	
180.30 TO 185.50	«4,a,bx,*g,<RWV>» Felsic Volcanic fine grained breccia thinly laminated reworked volcanic Debris	Fine grained, medium to dark grey reworked, limey-looking felsic tuff/sediment breccia. Fine grained bedded sulphide. Metalliferous felsic tuffaceous sediment. Upper contact is gradational. ┤181.00-181.10├«┤S0 50°├ll S2» Bedding		┤180.30-185.50├«SiFN ,SiFN,SePW» moderate, fracture/vein controlled, silicification; moderate, fracture/vein controlled, silicification; weak, pervasive, sericitization	┤180.30-181.83├«Py@45.0%,SphD3.0%» 45.0% bedded/banded pyrite; 3.0% disseminated/blebby sphalerite finely bedded @50° to CA. ┤181.83-183.00├«PyD10.0%,SphD1.0%» 10.0% disseminated/blebby pyrite; 1.0% disseminated/blebby sphalerite ┤183.00-185.50├«Py@15.0%,SphD3.0%» 15.0% bedded/banded pyrite; 3.0% disseminated/blebby sphalerite, somewhat contorted and broken up due to tectonic activity and the insurgence of downhole mafic rocks.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
185.50 TO 332.00	«2,a,e,m,p» Mafic Volcanic fine grained amygdaloidal/vesicular massive pillowed	Fine grained, relatively massive pillow lava, very few salvages, or breccia, or internal textures. Medium green, except for upper 10 m, which appears bleached. ┤197.00-199.00├«2,a,e,p» Mafic Volcanic fine grained, amygdaloidal/vesicular, pillowed, ┤216.80-217.80├«9,a,m,<RHY>» Felsic Intrusive fine grained, massive, rhyolite, very siliceous, contacts at 38° to CA. ┤236.70-238.80├«8,a,m» Intermediate Intrusive fine grained, massive, contacts @45° to CA. ┤266.00-276.65├«10,a,m,Mag» Diabase fine grained, massive, magnetite, weakly magnetic to non-magnetic. Contacts are irregular and broken. ┤281.30-283.40├«9,a,D,P» Felsic Intrusive fine grained, feldspar phyric, porphyritic, irregular contacts. ┤320.00-332.00├«2,a,bx,*a» Mafic Volcanic fine grained, breccia, tuff, very fine grained mafic ash, thick salvages, with minor breccia. ┤329.00-333.10├«┤S2 15°├mod.» Foliation		┤185.00-194.00├«BlPM» moderate, pervasive, bleaching ┤185.50-332.00├«SiFM ,CbPW» moderate, fracture/vein controlled, silicification; weak, pervasive, carbonatization	Barren	
332.00 TO 332.00	«EOH» End-Of-Hole					

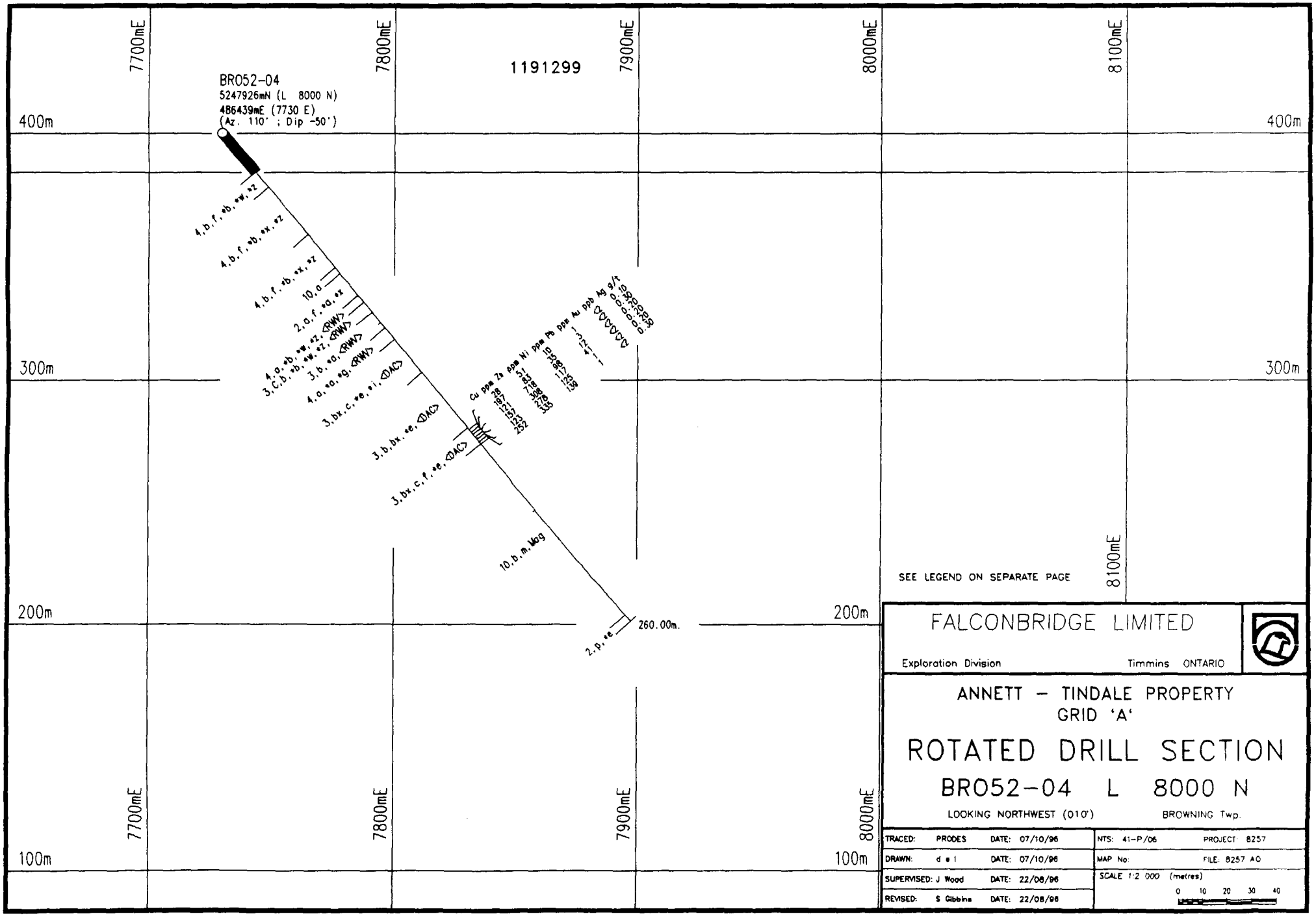
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT02091	54.30	54.82	0.52	30	40	1	12	17	0.2										0.0	40.0	0.0	0.0	0.0	0.0	2,a,*a	
AT02092	91.65	92.90	1.25	56	93	10	60	17	0.7										0.0	0.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02093	92.90	94.47	1.57	10	72	1	17	<2	0.1										0.0	0.0	2.0	0.0	0.0	0.0	4,a,*a	
AT02094	94.47	95.25	0.78	66	337	10	90	34	0.5										0.0	0.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02095	95.25	96.88	1.63	115	311	9	100	5	0.3										0.0	0.0	5.0	0.0	0.0	0.0	2,a,*a	
AT02096	122.40	123.70	1.30	47	242	1	13	7	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02097	123.70	125.00	1.30	23	94	3	14	7	0.1										0.0	0.0	17.0	0.0	0.0	0.0	4,a,*a	
AT02098	125.00	126.40	1.40	17	112	3	14	7	0.1										0.0	0.0	15.0	0.0	0.0	0.0	2,a,*a	
AT02099	126.40	127.60	1.20	61	62	26	13	41	0.9										0.0	5.0	90.0	0.0	0.0	0.0	4,a,*a	
AT02100	127.60	128.00	0.40	64	61	5	15	14	0.3										0.0	30.0	5.0	0.0	0.0	0.0	Qtz Vein	
AT01901	128.00	129.50	1.50	51	132	13	26	38	0.4										0.0	0.0	30.0	0.0	0.0	0.0	4,b,q,*a	
AT01902	129.50	131.00	1.50	25	520	9	21	<2	0.3										0.0	0.0	20.0	0.0	0.0	0.0	4,b,q,*a	
AT01903	131.00	132.50	1.50	36	750	12	24	3	0.4										0.0	0.0	30.0	0.0	0.0	0.0	4,b,q,*a	
AT01904	132.50	134.00	1.50	31	692	7	13	10	0.3										0.0	0.0	15.0	0.0	0.0	0.0	4,b,q,*a	
AT01905	134.00	135.50	1.50	29	74	4	16	17	0.2										0.0	0.0	15.0	0.0	0.0	0.0	4,b,q,*a	
AT01906	135.50	137.00	1.50	20	47	5	18	<2	0.2										0.0	0.0	10.0	0.0	0.0	0.0	4.b,q.*a	
AT01907	137.00	138.50	1.50	28	64	13	27	7	0.3										0.0	0.0	10.0	0.0	0.0	0.0	4,b,q,*a	
AT01908	138.50	140.00	1.50	26	58	12	23	<2	0.2										0.0	0.0	10.0	0.0	0.0	0.0	4,b,q,*a	
AT01909	140.00	141.50	1.50	32	53	11	22	3	0.2										0.0	0.0	25.0	0.0	0.0	0.0	4,b,q,*a	
AT01910	141.50	143.00	1.50	27	34	11	25	34	0.3										0.0	0.0	20.0	0.0	0.0	0.0	4,b,q,*a	
AT01911	143.00	144.50	1.50	22	45	6	22	7	0.1										0.0	0.0	25.0	0.0	0.0	0.0	4,b,q,*a	
AT01912	144.50	146.00	1.50	18	34	7	19	<2	0.1										0.0	0.0	10.0	0.0	0.0	0.0	4,b,q,*a	
AT01913	146.00	147.50	1.50	33	28	26	22	7	0.3										0.0	0.0	40.0	0.0	0.0	0.0	4,b,q,*a	
AT01914	147.50	149.00	1.50	25	28	18	26	3	0.2										0.0	0.0	20.0	0.0	0.0	0.0	4,b,q,*a	
AT01915	149.00	150.50	1.50	39	31	31	28	14	0.5										0.0	0.0	25.0	0.0	0.0	0.0	4,b,q,*a	
AT01916	150.50	152.00	1.50	26	34	13	25	3	0.3										0.0	0.0	15.0	0.0	0.0	0.0	4,b,q,*a	
AT01917	152.00	153.50	1.50	29	30	19	29	<2	0.3										0.0	0.0	20.0	0.0	0.0	0.0	4,b,q,*a	
AT01918	153.50	155.00	1.50	34	33	25	27	3	0.4										0.0	0.0	15.0	0.0	0.0	0.0	4,b,q,*a	
AT01919	155.00	156.50	1.50	23	40	10	28	<2	0.2										0.0	0.0	20.0	0.0	0.0	0.0	4,b,q,*a	
AT01920	156.50	158.00	1.50	35	33	2	16	7	0.1										0.0	0.0	5.0	0.0	0.0	0.0	4,b,q,*a	
AT01921	158.00	159.50	1.50	26	45	16	25	21	0.3										0.0	0.0	15.0	0.0	0.0	0.0	4,b,q,*a	
AT01922	159.50	161.00	1.50	11	44	8	10	14	0.1										0.0	0.0	5.0	0.0	0.0	0.0	4,b,q,*a	
AT01923	180.30	181.83	1.53	1010	6610	2460	88	151	3.5										0.0	0.0	45.0	0.0	3.0	0.0	4,*a,<RVV>	
AT01924	181.83	183.00	1.17	77	56	175	18	10	0.5										0.0	0.0	10.0	0.0	1.0	0.0	4,*a,<RVV>	
AT01925	183.00	184.46	1.46	261	4210	4920	75	51	3.4										0.0	0.0	20.0	0.5	3.0	0.0	4,a,*a,<RVV>	
AT01926	184.46	185.50	1.04	127	8900	2900	62	7	0.9										0.0	0.0	15.0	1.0	5.0	0.0	2,a,bx,m	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL203 %	CAO %	MGO %	NA20 %	K20 %	FE203 %	TIO2 %	P205 %	MNO %	CR203 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01457	54.00	57.00	3.00	46.95	11.27	3.99	6.21	0.01	0.06	24.10	0.18	0.06	0.64	0.01	4.84	98.32	22	168		5	120	5		2,a,*a,<RWV>	4jB$	278
AT01458	62.00	65.00	3.00	75.31	9.85	2.35	2.08	0.24	1.02	6.43	0.14	0.04	0.13	0.04	3.18	100.81	12	164		20	30	20		4,a,*a	4jA$	273
AT01459	72.00	75.00	3.00	72.48	14.60	2.02	2.65	0.71	1.00	3.59	0.30	0.10	0.08	0.03	3.10	100.66	6	126		<5	50	30		4,a,m	4jA	391
AT01460	89.00	92.00	3.00	69.93	10.23	5.34	2.84	0.70	1.18	3.99	0.16	0.04	0.12	0.03	5.96	100.52	14	180		<5	30	<5		4,a,*a	4jA	142
AT01461	101.00	104.00	3.00	67.73	15.74	2.08	2.89	0.87	2.34	4.28	0.54	0.16	0.12	0.03	3.56	100.34	18	152		5	25	10		4,a,*a	3j	298
AT01462	119.40	122.40	3.00	66.33	14.71	4.37	2.84	2.04	1.24	4.48	0.53	0.14	0.19	0.03	3.45	100.35	16	150		15	45	20		4,a,*a	3j	192
AT01463	134.00	137.00	3.00	68.38	14.37	2.32	1.58	1.90	2.00	3.83	0.40	0.12	0.11	0.04	2.70	97.75	14	146		<5	35	<5		4,b,q,*a	4jA	231
AT01464	155.00	158.00	3.00	59.68	14.91	3.44	1.54	1.40	2.04	9.42	0.49	0.14	0.12	0.04	5.51	98.73	12	110		10	50	10		4,b,q,*a	3j$	217
AT01465	169.00	172.00	3.00	77.30	11.36	1.70	0.86	0.30	3.04	2.35	0.19	0.06	0.03	0.03	2.97	100.19	16	178		15	30	5		4,a,*a,<RWV>	4jA	225
AT01466	176.00	179.00	3.00	72.93	13.85	1.64	0.91	0.69	3.58	2.21	0.34	0.10	0.03	0.03	2.90	99.21	20	166		10	35	<5		4,a,*a,<RWV>	4jB	234
AT01467	186.00	189.00	3.00	47.98	14.21	10.20	4.24	2.94	0.90	8.87	0.76	0.10	0.15	0.06	10.22	100.63	14	32		90	390	150		2,a,p,m	3h!	101
AT01468	209.00	212.00	3.00	44.82	14.57	12.47	6.30	1.76	0.04	10.00	0.76	0.10	0.17	0.07	8.87	99.93	16	34		155	45	155		2,a,p,m	2hu!	102
AT01469	242.00	245.00	3.00	48.38	14.30	8.32	6.85	3.35	0.02	9.60	0.81	0.10	0.18	0.06	8.53	100.50	14	34		90	35	170		2,a,p,m	2hu!	122
AT01470	284.00	287.00	3.00	47.66	13.56	12.07	7.14	1.58	0.04	10.34	0.71	0.08	0.18	0.11	7.25	100.72	14	38		70	75	150		2,a,p,m	2hu	99
AT01471	314.00	317.00	3.00	44.31	13.66	11.82	6.40	1.17	0.48	9.82	0.72	0.10	0.16	0.12	12.17	100.93	12	42		85	30	155		2,a,p,m	2(h)u!	101
AT01472	329.00	332.00	3.00	47.15	13.04	11.52	5.38	1.46	0.54	9.43	0.71	0.08	0.17	0.09	11.03	100.60	12	28		95	55	155		2,a,*a	2hu!	96

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01457	54.00	57.00	3.00						5		19700	<5																	
AT01458	62.00	65.00	3.00						15		8400	<5																	
AT01459	72.00	75.00	3.00						5		<100	30																	
AT01460	89.00	92.00	3.00						<5		100	<5																	
AT01461	101.00	104.00	3.00						10		<100	65																	
AT01462	119.40	122.40	3.00						<5		500	55																	
AT01463	134.00	137.00	3.00						<5		4800	45																	
AT01464	155.00	158.00	3.00						10		49100	60																	
AT01465	169.00	172.00	3.00						<5		2400	10																	
AT01466	176.00	179.00	3.00						5		3800	35																	
AT01467	186.00	189.00	3.00						40		<100	225																	
AT01468	209.00	212.00	3.00						40		100	230																	
AT01469	242.00	245.00	3.00						45		100	230																	
AT01470	284.00	287.00	3.00						35		<100	205																	
AT01471	314.00	317.00	3.00						35		100	195																	
AT01472	329.00	332.00	3.00						35		100	205																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01457	54.00	57.00	3.00														<1						9		0.38	0.35	1	61	12000
AT01458	62.00	65.00	3.00														<1						4		0.43	0.24	10	54	125
AT01459	72.00	75.00	3.00														<1						5		0.64	0.14	11	57	70
AT01460	89.00	92.00	3.00														<1						4		0.63	0.52	2	40	43
AT01461	101.00	104.00	3.00														<1						9		0.62	0.13	3	64	29
AT01462	119.40	122.40	3.00														1						9		0.60	0.30	7	39	22
AT01463	134.00	137.00	3.00														<1						8		0.49	0.16	3	46	18
AT01464	155.00	158.00	3.00														<1						9		0.28	0.23	6	43	36
AT01465	169.00	172.00	3.00														<1						5		0.46	0.15	6	66	100
AT01466	176.00	179.00	3.00														1						7		0.49	0.12	5	66	51
AT01467	186.00	189.00	3.00														<1						37		0.53	0.72	35	28	133
AT01468	209.00	212.00	3.00														<1						37		0.60	0.86	25	31	26
AT01469	242.00	245.00	3.00														<1						38		0.63	0.58	25	37	10
AT01470	284.00	287.00	3.00														<1						33		0.62	0.89	21	34	47
AT01471	314.00	317.00	3.00														<1						32		0.61	0.87	24	35	26
AT01472	329.00	332.00	3.00														<1						34		0.58	0.88	29	31	38

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01457	54.00	57.00	3.00		<5	
AT01458	62.00	65.00	3.00		<5	
AT01459	72.00	75.00	3.00		<5	
AT01460	89.00	92.00	3.00		<5	
AT01461	101.00	104.00	3.00		10	
AT01462	119.40	122.40	3.00		<5	
AT01463	134.00	137.00	3.00		5	
AT01464	155.00	158.00	3.00		15	
AT01465	169.00	172.00	3.00		10	
AT01466	176.00	179.00	3.00		10	
AT01467	186.00	189.00	3.00		<5	
AT01468	209.00	212.00	3.00		<5	
AT01469	242.00	245.00	3.00		<5	
AT01470	284.00	287.00	3.00		<5	
AT01471	314.00	317.00	3.00		<5	
AT01472	329.00	332.00	3.00		<5	



FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'A'

ROTATED DRILL SECTION

BR052-04 L 8000 N

LOOKING NORTHWEST (010°) BROWNING Twp.

TRACED:	PRODES	DATE: 07/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 07/10/96	MAP No:	FILE: 8257 A0
SUPERVISED:	J Wood	DATE: 22/08/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 22/08/96	0 10 20 30 40	

HOLE NUMBER: BR052-04

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/06/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191299
LOCATION: Browning Twp.

PLOTTING COORDS GRID: UTM
NORTH: 5247926.00N
EAST: 486439.00E
ELEV: 400.00

ALTERNATE COORDS GRID: Grid A
NORTH: 80+ 0N
EAST: 77+30E
ELEV: 400.00

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 260.00M
START DEPTH: 0.00M
FINAL DEPTH: 260.00M

COLLAR ASTRONOMIC AZIMUTH: 110° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 04/01/1996
DATE COMPLETED: 04/03/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: Norex
CASING: BW left in hole
CORE STORAGE: Kidd Mine site
UTM COORD.: 486439E,5247926N

COMMENTS : Targeted on off-hole anomaly below BR052-01
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
60.00	0° 0' 0"	-50° 0' 0"	A	DO	
120.00	0° 0' 0"	-50° 0' 0"	A	DO	
180.00	0° 0' 0"	-51° 0' 0"	A	DO	
240.00	0° 0' 0"	-48° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 21.00	«|OB|» Casing Overburden					
21.00 TO 28.90	«4,b,f,*b,*w,*z» Felsic Volcanic medium grained primary fragmentals lapilli tuff frag. (fel>maf) lithic tuff	Pale yellow grey, fragmental rhyolite lapilli-tuff, with 15% white, fine rhyolite fragments 1.5 to 3 cm in size, and 15% 0.5 to 2 cm intermediate/mafic shardy lapilli. Moderately foliated @40° to CA. |23.00-23.10|«|S2 40°|Mod.» Foliation Shardy lapilli stretched parallel to foliation.		|21.00-28.90|«SePS» strong, pervasive, sericitization	Barren.	
28.90 TO 54.00	«4,b,f,*b,*x,*z» Felsic Volcanic medium grained primary fragmentals lapilli tuff frag. (maf>fel) lithic tuff	Medium yellow grey, less yellow than previous unit, likely due to weaker alteration. Similar-looking fine rhyolitic ash, with 15-20% 3 mm to 2 cm (ave. <1 cm) wispy to shardy, intermediate to mafic lapilli, that are weakly vesicular - possible fiamm6. Moderately foliated @40°.		|28.90-54.00|«SePM» moderate, pervasive, sericitization	<1% fine disseminated pyrite.	
54.00 TO 71.20	«4,b,f,*b,*x,*z» Felsic Volcanic medium grained primary fragmentals lapilli tuff frag. (maf>fel) lithic tuff	Pale yellow grey to medium green grey, very similar to previous unit, but with an increase of fragments. Gradational contact. 25-30% intermediate/mafic shardy and wispy-looking lapilli, weakly vesicular and average 5x15 mm in size. Fine felsic ash matrix. Moderately foliated @28° to CA. |57.60-57.80|«2,b,*a» Mafic Volcanic medium grained, tuff, dark green, contacts @50° parallel to foliation. |61.00-61.10|«|S2 30°|Mod.» Foliation		|54.00-71.20|«SePM» moderate, pervasive, sericitization of matix.	<1% fine disseminated pyrite. |57.60-57.80|«PyD3.0%» 3.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		ǂ62.80-64.30ǂ«3,C,a,*a» Heterolithic Volcanic fine grained, tuff,, gradational contacts. Medium greenish grey, with granular, well sorted, fine intermediate/mafic fragments.				
71.20 TO 74.40	«10,a» Diabase fine grained	Medium to dark olive green with contacts @65° to CA. Contains 5% shardy-looking fragments up to 1x2 cm iin size and ribbony.				
74.40 TO 85.70	«2,a,f,*a,*x» Mafic Volcanic fine grained primary fragmentals tuff frag. (maf>fel)	Fine to medium grained similar unit, but finer than unit previous to previous diabase. Medium to dark greenish grey, matrix is creamy yellow green (felsic looking) with 35-40 dark green wispy shardy-looking intermediate/mafic lapilli, which appear to be 'glassy' and weakly vesicular.		ǂ74.40-85.70ǂ«SePW» weak, pervasive, sericitization mostly of matrix.	ǂ74.00-85.70ǂ«Py03.0%» 3.0% disseminated/blebby pyrite	
85.70 TO 89.40	«4,a,*b,*w,*z,<RWV>» Felsic Volcanic fine grained lapilli tuff frag. (fel>maf) lithic tuff reworked volcanic Debris	Light pale yellow grey to white, with 25-35% 5 x 20 mm rounded ashy felsic lapilli, in a felsic fine ash? to re-worked ash matrix. Upper contact indistinct and gradational, Lower contact fault related. ǂ87.50-87.60ǂ«ǂS2 35°ǂMod.» Foliation Fragments are stretched. ǂ89.30-89.40ǂ«ǂFAIǂBrkn.» Fault		ǂ85.70-89.40ǂ«SePW ,RsSW» weak, pervasive, sericitization; weak, spotty, rust staining	ǂ85.70-89.40ǂ«Py03.0%» 3.0% disseminated/blebby pyrite	
89.40 TO 94.50	«3,C,b,*b,*w,*z,<RWV>» Heterolithic Volcanic medium grained lapilli tuff frag. (fel>maf) lithic tuff	Light to medium grey, with medium grey ash matrix with 25% light grey to white fine grained felsic subrounded lapilli 7 x 15 mm in size - possible fine grained sediment fragments. Moderately foliated @30° to CA.		ǂ89.40-94.50ǂ«SePW» weak, pervasive, sericitization, with sericitic stringers running parallel to foliation through matrix.	Barren.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	reworked volcanic Debris					
94.50 TO 102.75	«3,b,*a,<RWV>» Intermediate Volcanic medium grained tuff reworked volcanic Debris	Similar matrix as previous unit, but no white fine grained subrounded, light grey lapilli. Unit is light to medium greenish-grey with pale yellow strung-out blebs. Medium grained ash-tuff, possibly of intermediate composition. Contains 80% indistinct rounded clumps of fine ash, light grey in colour - possibly due to an alteration effect or de-watering. Matrix to 'clumps' is sericitic. Unit has a cloudy, smokey appearance. Upper contact is gradational. ⌊99.00-99.10⌋«⌊S2 35°⌋Mod.» Foliation		⌊34.50-102.75⌋«SePW» weak, pervasive, sericitization, as tiny stringery ribbons parallel to foliation @35° to CA.	1% fine disseminated and blebby pyrite.	
102.75 TO 108.90	«4,a,*a,*g,<RWV>» Felsic Volcanic fine grained tuff thinly laminated reworked volcanic Debris	Upper contact marked by colour change and decrease in grain size. Contact is parallel to moderate foliation @30° to CA. Unit is fine grained light to medium grey with pale yellow-grey zones and irregular patches up to 20x30 cm in size. Weakly laminated parllel to foliation @30° to CA. Very indistinct-looking material, possibly a cloudy volcanic ash sediment. ⌊104.20-105.70⌋«9,a,m» Felsic Intrusive fine grained, massive, upper contact @30° to CA, parallel to foliation.		⌊102.75-108.90⌋«SePM» moderate, pervasive, sericitization	Barren.	
108.90 TO 126.50	«3,bx,c,*e,*i,<DAC>» Intermediate Volcanic breccia coarse grained autoclastic /hyaloclastite matrix supported dacite	Medium grey, fragmental, fragments are very similar, but slightly darker than matrix. 30-35% subangular medium grey, fine grained massive felsic? fragments 2-15 mm in size (ave. 2x3 cm). Moderate foliation @25° to CA. Some fragments are vesicular. Possibly coarse hyaloclastite breccia, possibly reworked.		⌊108.90-126.50⌋«SePM» moderate, pervasive, sericitization	Barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
126.50 TO 156.20	«3,b,bx,*e, <DAC>» Intermediate Volcanic medium grained breccia autoclastic /hyaloclastite dacite	Similar to previous unit, but finer grained. Light to medium grey, with 75% subangular, indistinct lapilli, some of which are weakly vesicular, in a very similar looking fine matrix. Lapilli are wispy, torn-looking, irregular and shardy-looking. Possibly slightly reworked andesitic/dacitic hyaloclastite fine breccia. Weakly to moderately foliated @22° to CA. ┤145.00-145.10├«┤S2 22°├Mod.» Foliation		┤126.50-156.20├«SePM» moderate, pervasive, sericitization, matrix and fragments are very indistinct - primary textures masked.	Barren.	
156.20 TO 164.86	«3,bx,c,f,*e,<DAC>» Intermediate Volcanic breccia coarse grained primary fragmentals autoclastic /hyaloclastite dacite	Medium to light olive-greenish grey, andesitic to dacitic-looking autoclastic glassy breccia. Fragments are 1 to 5 cm in size, amygdaloidal to flow-banded. Matrix is very similar to fragments. Upper contact is gradational. Autoclastic breccia - hydromagmatic. Weak foliation @28° to CA. ┤163.60-164.86├«3,bx,g,f,*e» Intermediate Volcanic breccia, graphitic/argillaceous, primary fragmentals, autoclastic/hyaloclastite, similar to above, but darker due to the addition of fine graphitic material. Non-conductive.		┤156.20-164.86├«SePM ,SiPW» moderate, pervasive, sericitization; weak, pervasive, silicification	┤158.60-158.70├«PoF60.0%,PyF5.0%» 60.0% fracture/vein controlled pyrrhotite; 5.0% fracture/vein controlled pyrite, strongly conductive, @30° to CA, parallel to foliation. ┤159.00-159.70├«Py07.0%» 7.0% disseminated/blebby pyrite coarse, euhedral, recrystallized. ┤163.60-164.86├«Py05.0%» 5.0% disseminated/blebby pyrite, fine and euhedral	
164.86 TO 256.50	«10,b,m,Mag» Diabase medium grained massive magnetite	Upper contact @35° to CA, parallel to foliation. Lower contact @30° to CA. Both are chilled. ┤253.30-254.80├«┤FAI├Brkn. Core» Fault Within chilled border phase.			Barren.	
256.50 TO 260.00	«2,p,*e» Mafic Volcanic pillowed autoclastic /hyaloclastite	Medium olive green, massive pillows, with minor pillow salvage and associated hyaloclastite. Pillows are ≈1 m in size - no vesicles.		┤256.50-260.00├«SiFW» weak, fracture/vein controlled, silicification, within minor extension/granulation fractures.	Barren.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
260.00 TO 260.00	«EOH» End-Of-Hole					

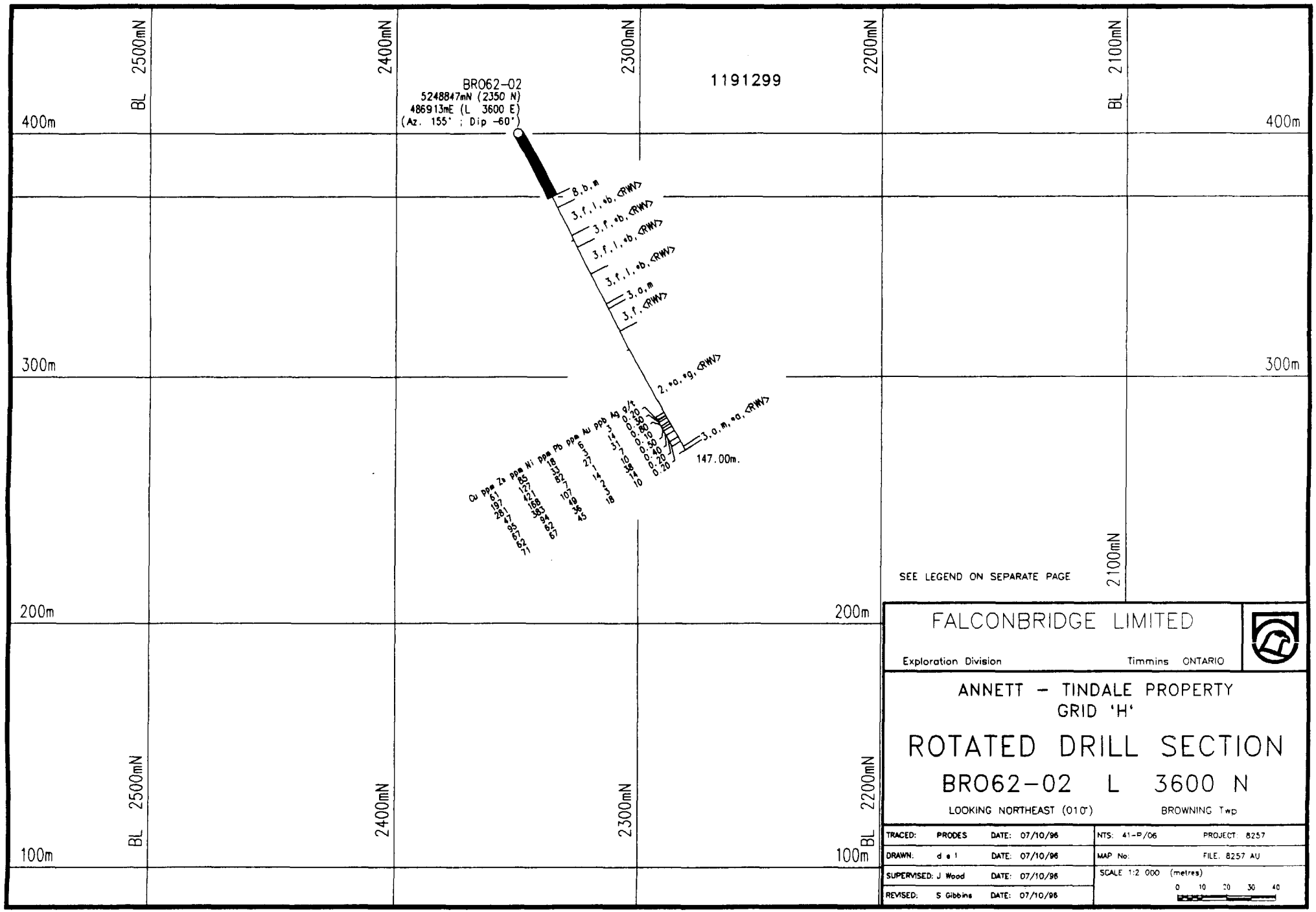
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppm	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT01927	157.00	158.60	1.60	28	51	1	10	<2	0.1										0.0	0.0	3.0	0.0	0.0	0.0	3,c,bx,f,*e	
AT01928	158.60	159.70	1.10	197	83	3	35	<2	0.3										0.0	7.0	5.0	0.0	0.0	0.0	3,c,bx,f,*e	
AT01929	159.70	161.00	1.30	121	718	12	98	<2	0.2										0.0	0.0	3.0	0.0	0.0	0.0	3,c,bx,f,*e	
AT01930	161.00	162.30	1.30	157	308	41	117	<2	0.2										0.0	0.0	3.0	0.0	0.0	0.0	3,c,bx,f,*e	
AT01931	162.30	163.60	1.30	123	278	1	125	<2	0.2										0.0	0.0	3.0	0.0	0.0	0.0	3,cc,bx,f,*e	
AT01932	163.60	164.86	1.26	252	335	1	139	<2	0.3										0.0	0.0	7.0	0.0	0.0	0.0	3,c,bx,f,*e	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT01473	23.00	26.00	3.00	73.50	11.64	2.63	0.98	1.42	2.82	2.85	0.20	0.06	0.06	0.03	4.51	100.70	18	194		25	15	<5		4,b,f,*b,*w,*z	4jA	169
AT01474	44.00	47.00	3.00	73.61	11.67	2.37	0.84	2.39	2.24	2.98	0.19	0.06	0.07	0.02	3.81	100.25	18	196		20	30	<5		4,b,f,*b,*x,*z	4jA	167
AT01475	68.00	71.00	3.00	73.76	11.69	3.42	0.70	0.25	3.24	2.63	0.18	0.06	0.04	0.02	4.45	100.44	16	188		90	10	<5		2,b,f,*b,*x,*z	4jA	169
AT01476	86.00	89.00	3.00	69.92	13.28	2.88	1.47	0.19	3.88	2.78	0.21	0.06	0.13	0.02	6.08	100.90	18	226		<5	15	<5		4,b,*b,*w,<RHY>	4jA	191
AT01477	89.00	92.00	3.00	69.09	12.44	2.52	1.72	0.30	3.26	3.80	0.20	0.08	0.13	0.04	5.08	98.66	20	194		35	25	5		3,C,b,*b,*w,*z	4jB	205
AT01478	99.00	102.00	3.00	70.63	11.34	2.41	1.87	0.14	2.46	5.84	0.18	0.08	0.18	0.03	4.80	99.96	18	182		<5	75	<5		3,b,*a,<RWV>	4jA	226
AT01479	105.00	108.00	3.00	69.43	15.05	2.17	1.82	0.75	3.36	3.44	0.54	0.14	0.08	0.02	4.02	100.82	20	150		15	180	25		4,a,*a,<RWV>	3j	240
AT01480	120.00	123.00	3.00	65.17	15.11	4.72	1.50	1.72	2.60	3.79	0.53	0.14	0.07	0.01	5.27	100.63	16	154		20	80	15		3,bx,c,*e	3j	167
AT01481	140.00	143.00	3.00	63.39	12.86	7.71	1.03	0.79	2.74	3.39	0.47	0.14	0.08	0.01	7.57	100.18	14	130		15	45	40		3,b,bx,*e	3j	114
AT01482	161.00	164.00	3.00	44.98	14.35	8.01	8.11	2.63	0.60	11.82	0.83	0.08	0.19	0.04	8.66	100.30	18	40		105	570	125		3,bx,c,f,*e	2hu	128
AT01483	257.00	260.00	3.00	49.19	15.72	6.32	6.24	4.91	0.14	11.77	0.80	0.08	0.17	0.06	4.68	100.08	16	34		105	85	140		2,p,*e	2hv	138

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT01473	23.00	26.00	3.00						<5		<100	5																	
AT01474	44.00	47.00	3.00						<5		200	<5																	
AT01475	68.00	71.00	3.00						<5		100	<5																	
AT01476	86.00	89.00	3.00						<5		<100	<5																	
AT01477	89.00	92.00	3.00						<5		100	<5																	
AT01478	99.00	102.00	3.00						<5		100	<5																	
AT01479	105.00	108.00	3.00						5		100	55																	
AT01480	120.00	123.00	3.00						10		1700	55																	
AT01481	140.00	143.00	3.00						5		<100	50																	
AT01482	161.00	164.00	3.00						40		100	215																	
AT01483	257.00	260.00	3.00						30		<100	230																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT01473	23.00	26.00	3.00														<1						7		0.45	0.23	5	48	11
AT01474	44.00	47.00	3.00														<1						6		0.40	0.20	6	39	13
AT01475	68.00	71.00	3.00														<1						5		0.39	0.29	7	52	40
AT01476	86.00	89.00	3.00														1						6		0.56	0.22	3	64	79
AT01477	89.00	92.00	3.00														2						6		0.52	0.20	3	64	83
AT01478	99.00	102.00	3.00														<1						5		0.43	0.21	3	63	536
AT01479	105.00	108.00	3.00														1						8		0.56	0.14	14	64	240
AT01480	120.00	123.00	3.00														1						9		0.48	0.31	10	39	47
AT01481	140.00	143.00	3.00														<1						8		0.42	0.60	39	31	57
AT01482	161.00	164.00	3.00														<1						36		0.62	0.56	15	45	217
AT01483	257.00	260.00	3.00														<1						38		0.56	0.40	22	36	17

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPM
AT01473	23.00	26.00	3.00		5	
AT01474	44.00	47.00	3.00		<5	
AT01475	68.00	71.00	3.00		10	
AT01476	86.00	89.00	3.00		5	
AT01477	89.00	92.00	3.00		<5	
AT01478	99.00	102.00	3.00		5	
AT01479	105.00	108.00	3.00		10	
AT01480	120.00	123.00	3.00		<5	
AT01481	140.00	143.00	3.00		<5	
AT01482	161.00	164.00	3.00		<5	
AT01483	257.00	260.00	3.00		<5	


BL 2500mN
2400mN
2300mN
2200mN
BL 2100mN
400m
300m
200m
100m
BR062-02
5248847mN (2350 N)
486913mE (L 3600 E)
(Az. 155° ; Dip -60°)
1191299
B, b, m
3, f, l, vb, <RWV>
3, f, vb, <RWV>
3, f, l, vb, <RWV>
3, f, l, vb, <RWV>
3, o, m
3, f, <RWV>
2, vo, vg, <RWV>
3, o, m, vg, <RWV>
147.00m.
Cu ppm Zn ppm Ni ppm Pb ppm Au ppb Ag g/t
SEE LEGEND ON SEPARATE PAGE
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT - TINDALE PROPERTY
GRID 'H'
ROTATED DRILL SECTION
BR062-02 L 3600 N
LOOKING NORTHEAST (010°)
BROWNING Twp
TRACED: PRODES DATE: 07/10/96
DRAWN: d e l DATE: 07/10/96
SUPERVISED: J Wood DATE: 07/10/96
REVISED: S Gibbins DATE: 07/10/96
NTS: 41-P/06
PROJECT: 8257
MAP No:
FILE: 8257 AU
SCALE 1:2 000 (metres)
0 10 20 30 40

HOLE NUMBER: BR062-02

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 11/11/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191299
LOCATION: BROWNING TWP.

PLOTTING COORDS GRID: UTM
NORTH: 5248847.00N
EAST: 486913.00E
ELEV: 400.00

ALTERNATE COORDS GRID: GRID H
NORTH: 23+50N
EAST: 36+ 0E
ELEV: 400.00

COLLAR DIP: -60° 0' 0"
LENGTH OF THE HOLE: 147.00M
START DEPTH: 0.00M
FINAL DEPTH: 147.00M

COLLAR ASTRONOMIC AZIMUTH: 155° 0' 0"

GRID ASTRONOMIC AZIMUTH: 330° 0' 0"

DATE STARTED: 09/05/1996
DATE COMPLETED: 09/10/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: DOMINIK
CASING: BW REMOVED
CORE STORAGE: KIDD MINE SITE
UTM COORD.: Zone 17

COMMENTS :
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
30.00	0° 0' 0"	-64° 0' 0"	A	DO	
90.00	0° 0' 0"	-62° 0' 0"	A	DO	
147.00	0° 0' 0"	-59° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 30.00	«|OB|» Casing Overburden					
30.00 TO 35.00	«B,b,m» Intermediate Intrusive medium grained massive			spotty chlorite flecks 30.00-35.00 «ChSW,CbFW» weak, spotty, chloritization; weak, fracture/vein controlled, carbonatization	barren	
35.00 TO 48.00	«3,f,l,*b,<RWV>» Intermediate Volcanic primary fragmentals flows (banded) lapilli tuff reworked volcanic Debris			35.00-48.00 «SiPW,CbFW» weak, pervasive, silicification; weak, fracture/vein controlled, carbonatization	35.00-48.00 «PyC2.0-4.0%,PyD2.0%,» 2.0-4.0% clasts/fragment of pyrite; 2.0% disseminated/blebby pyrite	flow banding inconsistent trend, 1% of angular fragments are replaced by fine grained pyrite
48.00 TO 53.20	«3,f,*b,<RWV>» Intermediate Volcanic primary fragmentals lapilli tuff reworked volcanic Debris			48.00-53.20 «SiPW» weak, pervasive, silicification	48.00-53.20 «PyD1.0%,» 1.0% disseminated/blebby pyrite	similar to above interval, fragments are smaller (ave. 5mm), no flow banding
53.20 TO 65.60	«3,f,l,*b,<RWV>» Intermediate Volcanic primary fragmentals flows (banded) lapilli	|53.20-65.60|«|S2 28°|» Foliation FOLIATION 28° TO CA		53.20-65.60 «SiPW,ChFW» weak, pervasive, silicification; weak, fracture/vein controlled, chloritization	53.20-65.60 «PyC2.0%,PyB1.0%,» 2.0% clasts/fragment of pyrite; 1.0% bedded/banded pyrite	fragments show pyrite replacement, bedded pyrite is fine grained euhedral cubes

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	tuff reworked volcanic Debris					
65.60 TO 79.16	«3,f,l,*b,<RWV>» Intermediate Volcanic primary fragmentals flows (banded) lapilli tuff reworked volcanic Debris	┤65.60-79.16├«┤S2 30°├» Foliation FOLIATION 30° TO CA		65.60-79.16 «SlPW,ChFW» weak, pervasive, silicification; weak, fracture/vein controlled, chloritization	65.60-79.16 «PyD3.0%,PyC2.0%,» 3.0% disseminated/blebby pyrite; 2.0% clasts/fragment of pyrite. Pyrite is fine grained euhedral cubes	reworked volcanics
79.16 TO 81.30	«3,a,m» Intermediate Volcanic fine grained massive			weak, pervasive, bleaching; weak, fracture/vein controlled, chloritization 79.16-81.30 «BlPW,ChFW» weak, pervasive, bleaching; weak, fracture/vein controlled, chloritization	79.16-81.30 «PyD1.0%,» 1.0% disseminated/blebby pyrite	
81.30 TO 91.62	«3,f,<RWV>» Intermediate Volcanic primary fragmentals reworked volcanic Debris	┤86.00-88.10├«┤S2 25°├» Foliation FOLIATION 25° TO CA		81.30-91.62 «ChFW,CbFM» weak, fracture/vein controlled, chloritization; moderate, fracture/vein controlled, carbonatization	81.30-91.62 «PyD1.0-2.0%,» 1.0-2.0% disseminated/blebby pyrite	
91.62 TO 145.22	«2,*a,*g,<RWV>» Mafic Volcanic tuff thinly laminated	┤94.00-96.00├«┤S2 15°├» Foliation ┤102.00-104.00├«┤S2 30°├» Foliation		91.62-132.30 «ChFW» weak, fracture/vein controlled, chloritization	91.62-132.30 «PyD2.0%,PyB1.0%,» 2.0% disseminated/blebby pyrite; 1.0% bedded/banded pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	reworked volcanic Debris	ǂ108.00-110.00ǂ«ǂS2 15°ǂ» Foliation ǂ113.00-115.00ǂ«ǂS2 25°ǂ» Foliation ǂ132.30-133.44ǂ«ǂFAIǂGRAPHITE» Fault graphitic,- conductor?			ǂ129.50-132.30ǂ«Py820.0%» 20.0% bedded/banded pyrite 132.30-133.44 «GfM80.0%,Py84.0%,» 80.0% massive graphite; 4.0% bedded/banded pyrite ǂ133.44-143.28ǂ«Py815.0%,PyD15.0%» 15.0% bedded/banded pyrite; 15.0% disseminated/blebby pyrite 133.44-135.92 «GfB40.0%,» 40.0% bedded/banded graphite	
145.22 TO 147.00	«3,a,m,*a,<RWV>» Intermediate Volcanic fine grained massive tuff reworked volcanic Debris					unconsolidated
147.00 TO 147.00	«EOH» End-Of-Hole					

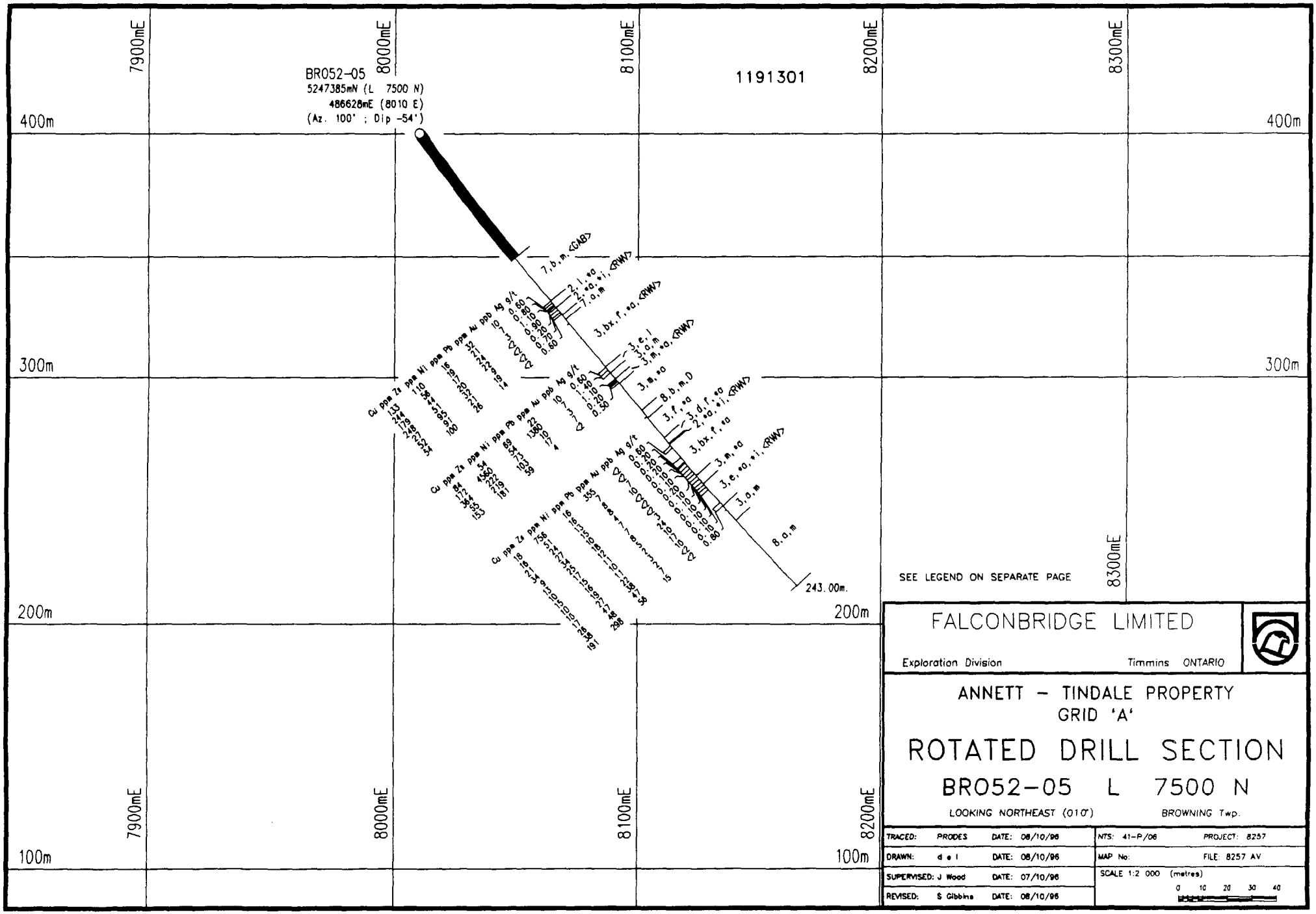
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT06901	129.56	130.90	1.34	61	85	6	18	3	0.2										0.0	0.0	30.0	0.0	0.0	0.0	2,*a,*g,<RWV>	BEDDED
AT07051	131.15	132.05	0.90	197	127	3	33	14	0.3										0.0	0.0	10.0	0.0	0.0	0.0	2,g,*a,*g,<RWV>	LATE BEDS
AT07052	132.05	133.80	1.75	281	421	27	82	31	0.8										0.0	0.0	3.0	0.0	0.0	0.0	2,g	C FAULT
AT07053	133.80	134.80	1.00	47	168	1	7	7	0.1										0.0	0.0	8.0	0.0	0.0	0.0	2,g,*a,*g,<RWV>	
AT07054	134.80	136.00	1.20	95	383	14	107	10	0.5										0.0	0.0	10.0	0.0	0.0	0.0	2,*a,*g,<RWV>	
AT06902	136.00	138.00	2.00	67	94	2	49	38	0.4										0.0	0.0	25.0	0.0	0.0	0.0	2,g,*a,*g,<RWV>	BED\DISS
AT06903	138.00	141.00	3.00	62	62	3	36	14	0.2										0.0	0.0	25.0	0.0	0.0	0.0	2,g,*a,*g,<RWV>	BED\DISS
AT06904	141.00	143.00	2.00	71	67	18	45	10	0.2										0.0	0.0	25.0	0.0	0.0	0.0	2,*a,*g,<RWV>	BED\DISS

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT06751	36.00	39.00	3.00	63.34	15.28	2.32	1.85	2.28	2.54	7.90	0.45	0.12	0.15	0.03	4.00	100.26	16	150		20	35	35		3,f,l,*b,<RWV>	4JA$	214
AT06752	44.00	47.00	3.00	62.51	13.48	3.39	1.74	4.16	1.08	6.85	0.40	0.12	0.28	0.04	4.01	98.06	14	120		15	25	15		3,f,l,*b,<RWV>	4jA	156
AT06753	50.60	53.20	2.60	66.20	13.02	3.02	1.52	4.43	1.30	4.39	0.35	0.12	0.19	0.04	3.75	98.33	10	106		30	10	10		3,f,l,*b,<RWV>	4jA	149
AT06754	62.40	64.90	2.50	60.74	13.93	3.46	2.26	3.19	1.40	9.17	0.42	0.12	0.32	0.02	5.42	100.45	10	124		20	45	15		3,f,l,*b,<RWV>	4jA	173
AT06755	67.10	69.40	2.30	66.03	12.53	3.70	1.76	1.62	2.00	6.81	0.41	0.12	0.24	0.03	5.67	100.92	12	114		35	35	20		3,f,l,*b,<RWV>	4JA$	171
AT06756	76.87	79.10	2.23	61.70	10.64	4.75	3.37	0.66	0.98	11.17	0.34	0.10	0.23	0.03	6.93	100.90	8	104		40	30	30		3,f,l,*a,<RWV>	4JA$	167
AT06757	79.10	81.30	2.20	41.55	12.48	10.23	6.09	0.76	1.42	11.06	0.73	0.10	0.24	0.04	16.04	100.74	16	50		85	55	105		3,a,m	2(h)ul	101
AT06758	87.63	90.34	2.71	59.66	13.12	5.70	2.55	1.17	2.14	4.86	0.43	0.12	0.15	0.03	8.48	98.41	10	102		25	10	35		3,f,*a,*g,<RWV>	4JA1$	146
AT06759	94.24	96.81	2.57	64.35	13.93	4.67	1.96	0.95	2.28	4.88	0.49	0.12	0.15	0.01	6.88	100.67	12	130		20	30	40		2,a,*g,<RWV>	3j	176
AT06760	110.75	113.10	2.35	63.54	13.11	4.62	2.24	1.01	2.00	3.56	0.52	0.16	0.07	0.03	6.75	97.61	18	136		15	30	25		2,*a,*g,<RWV>	3j	172
AT06761	128.61	131.23	2.62	63.16	14.34	4.82	2.06	1.13	2.48	4.89	0.53	0.16	0.12	0.03	6.73	100.45	18	146		10	40	<5		2,g,*a,*g,<RWV>	3j$	170

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	MF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT06751	36.00	39.00	3.00						10		11200	80																	
AT06752	44.00	47.00	3.00						15		3600	65																	
AT06753	50.60	53.20	2.60						15		1700	45																	
AT06754	62.40	64.90	2.50						15		3200	55																	
AT06755	67.10	69.40	2.30						10		7300	65																	
AT06756	76.87	79.10	2.23						15		6500	55																	
AT06757	79.10	81.30	2.20						45		<100	240																	
AT06758	87.63	90.34	2.71						20		5300	70																	
AT06759	94.24	96.81	2.57						15		1700	80																	
AT06760	110.75	113.10	2.35						15		<100	70																	
AT06761	128.61	131.23	2.62						5		9500	65																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT06751	36.00	39.00	3.00														1						9		0.36	0.15	19	49	15
AT06752	44.00	47.00	3.00														<1						7		0.38	0.25	9	27	6
AT06753	50.60	53.20	2.60														<1						7		0.45	0.23	7	27	2
AT06754	62.40	64.90	2.50														<1						8		0.37	0.25	7	35	14
AT06755	67.10	69.40	2.30														<1						7		0.38	0.30	11	41	22
AT06756	76.87	79.10	2.23														<1						6		0.42	0.45	9	45	45
AT06757	79.10	81.30	2.20														<1						32		0.57	0.82	17	41	72
AT06758	87.63	90.34	2.71														<1						9		0.56	0.43	14	41	9
AT06759	94.24	96.81	2.57														<1						9		0.49	0.34	20	43	32
AT06760	110.75	113.10	2.35														<1						8		0.60	0.35	11	43	30
AT06761	128.61	131.23	2.62														<1						8		0.50	0.34	2	43	35

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AT06751	36.00	39.00	3.00		<5	
AT06752	44.00	47.00	3.00		<5	
AT06753	50.60	53.20	2.60		<5	
AT06754	62.40	64.90	2.50		<5	
AT06755	67.10	69.40	2.30		<5	
AT06756	76.87	79.10	2.23		<5	
AT06757	79.10	81.30	2.20		<5	
AT06758	87.63	90.34	2.71		<5	
AT06759	94.24	96.81	2.57		<5	
AT06760	110.75	113.10	2.35		10	
AT06761	128.61	131.23	2.62		<5	



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

ANNETT – TINDALE PROPERTY
GRID 'A'

ROTATED DRILL SECTION

BR052-05 L 7500 N

LOOKING NORTHEAST (010°) — BROWNING Twp.

TRACED:	PRODES	DATE: 08/10/96	NTS: 41-P/06	PROJECT: 8257
DRAWN:	d e l	DATE: 08/10/96	MAP No:	FILE: 8257 AV
SUPERVISED:	J Wood	DATE: 07/10/96	SCALE 1:2 000 (metres)	
REVISED:	S Gibbins	DATE: 08/10/96	0 10 20 30 40	

HOLE NUMBER: BRO52-05

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 10/30/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191301
LOCATION: BROWNING

PLOTTING COORDS GRID: GRID A
NORTH: 5247385.00N
EAST: 486628.00E
ELEV: 400.00

ALTERNATE COORDS GRID: GRID A
NORTH: 75+ 0N
EAST: 80+10E
ELEV: 400.00

COLLAR DIP: -54° 0' 0"
LENGTH OF THE HOLE: 243.00M
START DEPTH: 0.00M
FINAL DEPTH: 243.00M

COLLAR ASTRONOMIC AZIMUTH: 100° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 09/12/1996
DATE COMPLETED: 09/15/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: DOMINIK
CASING: BW LEFT IN HOLE
CORE STORAGE: KIDD MINE SITE
UTM COORD.: Zone 17

COMMENTS :
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
66.00	0° 0' 0"	-50° 0' 0"	A	DO	
150.00	0° 0' 0"	-49° 0' 0"	A	DO	
207.00	0° 0' 0"	-47° 0' 0"	A	DO	
243.00	0° 0' 0"	-46° 0' 0"	A	DO	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 64.66	«|OB|» Casing Overburden					
64.66 TO 87.93	«7,b,m,<GAB>» Mafic Intrusive medium grained massive gabbro			64.66-87.93 «CbFW,EpFW» weak, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, epidotization	64.66-87.93 «PyD1.0-3.0%,» 1.0-3.0% disseminated/blebby pyrite	BECOMES FINER GRAINED PROXIMAL TO CONTACT
87.93 TO 91.50	«2,l,*a» Mafic Volcanic flows tuff	Black green to forest green fine grained ash, strongly affected by chlorite alteration, flow aligned parallel to bedding axis |87.93-91.50|«|S0 56°|PY>PO» Bedding		87.93-91.50 «ChPS» strong, pervasive, chloritization	87.93-91.50 «PyB10.0-12.0%,PyM25.0-35.0%,PoD5.0-8.0%,» 10.0-12.0% bedded/banded pyrite; 25.0-35.0% massive pyrite; 5.0-8.0% disseminated/blebby pyrrhotite	Sulphide mineralization strongly associated with chlorite alteration
91.50 TO 95.60	«2,*a,*i,<RWV>» Mafic Volcanic tuff matrix supported reworked volcanic Debris	Dark green matrix, pyrite blebs may be reworked, transported fragments from a massive zone.		91.50-95.60 «ChFS,CbFM» strong, fracture/vein controlled, chloritization; moderate, fracture/vein controlled, carbonatization	One;reworked bedded pyrite form, and secondly; massive (no contacts) closely packed pyrite 93.85-94.16 «PyD10.0-20.0%,PyM60.0%,» 10.0-20.0% disseminated/blebby pyrite; 60.0% massive pyrite	
95.60 TO 97.88	«7,a,m» Mafic Intrusive fine grained massive		50°	95.60-97.88 «CbFM» moderate, fracture/vein controlled, carbonatization	barren	
97.88 TO 123.48	«3,bx,f,*a,<RWV>» Intermediate Volcanic breccia primary fragmentals	brecciatd intermediate, strongly fractured, grey-green, hard, fine grained, looks almost in situ, gradual contact		97.88-123.48 «CbFW,ChFM,SePW» weak, fracture/vein controlled, carbonatization; moderate, fracture/vein controlled, chloritization; weak, pervasive,	Pyrite associated with chlorite fractures, Cpy?? 97.88-123.48 «PyF2.0-4.0%,CpF0.5%,GnF1.0-1.5%,PoF1.0%,» 2.0-4.0% fracture/vein controlled	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	tuff reworked volcanic Debris			sericitization	pyrite; 0.5% fracture/vein controlled chalcopyrite; 1.0-1.5% fracture/vein controlled galena; 1.0% fracture/vein controlled pyrrhotite	
123.48 TO 126.62	«3,e,i» Intermediat e Volcanic amygdaloida l/vesicular flows (banded)	streched, sulphide infilled amygdules, flow banding @64° to CA, gradual contact (if any), light grey-yellow, hard		123.48 «CbFW,SePM,ChFM» weak, fracture/vein controlled, carbonatization; moderate, pervasive, sericitization; moderate, fracture/vein controlled, chloritization	123.48-126.62 «CpF0.5%,GnF0.5%,Po03.0-6.0%,Py02.0-8.0%,» 0.5% fracture/vein controlled chalcopyrite; 0.5% fracture/vein controlled galena; 3.0-6.0% disseminated/blebby pyrrhotite; 2.0-8.0% disseminated/blebby pyrite	Sulphide infilled amygdules
126.62 TO 129.76	«3,e,m» Intermediat e Volcanic fine grained massive	Small chlorite flecks, light grey-yellow,		126.62-129.76 «SePM,ChFW» moderate, pervasive, sericitization; weak, fracture/vein controlled, chloritization	126.62-129.76 «PyF1.0-2.0%,PoF1.0-2.0%,» 1.0-2.0% fracture/vein controlled pyrite; 1.0-2.0% fracture/vein controlled pyrrhotite	
129.76 TO 132.31	«3,m,*a,<RWV>» Intermediat e Volcanic massive tuff reworked volcanic Debris	129.76-130 sulphide filled amygdules gradual contact with fractured massive grey-pink intermediate <RWV>		129.76 «ChFM,SePM,SiFW» moderate, fracture/vein controlled, chloritization; moderate, pervasive, sericitization; weak, fracture/vein controlled, silicification	129.76 «Po01.0-2.0%,Py04.0-10.0%,CpF0.5%,» 1.0-2.0% disseminated/blebby pyrrhotite; 4.0-10.0% disseminated/blebby pyrite; 0.5% fracture/vein controlled chalcopyrite	
132.31 TO 146.66	«3,m,*a» Intermediat e Volcanic massive tuff	Grey-pink massive, void of volcanic features except minor possible flow, and fragments.		132.31-146.66 «CbFM,SePW,ChFW» moderate, fracture/vein controlled, carbonatization; weak, pervasive, sericitization; weak, fracture/vein controlled, chloritization	132.31-146.66 «Py01.0-2.0%,» 1.0-2.0% disseminated/blebby pyrite 142.85-142.98 «Po04.0-6.0%,» 4.0-6.0% disseminated/blebby pyrrhotite	
146.66 TO 150.67	«8,b,m,D» Intermediat e Intrusive medium	small(1x2mm) pink flecks (not garnet?) in a dark grey-green fine soft intrusive?		pink flecks? 146.66 «CbFM» moderate, fracture/vein controlled,	146.66 «Py01.0-2.0%,» 1.0-2.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	grained massive feldspar phyric			carbonatization		
150.67 TO 161.14	«3,f,*a» Intermediate Volcanic primary fragmentals tuff	chlorite flecks, grey-yellow felsic fragments in dark grey matrix, fragment shapes unclear,alternating small intervals of massive intermediate, and fragmentals		150.67-161.14 «SePN,CbFW» moderate, pervasive, sericitization; weak, fracture/vein controlled, carbonatization	150.67-151.60 «PyF1.0-2.0%,» 1.0-2.0% fracture/vein controlled pyrite 151.60-161.14 0.5% pyrite	
161.14 TO 164.27	«3,d,f,*a» Intermediate Volcanic quartz-feldspar Phyric primary fragmentals tuff	shards?(2x3mm)angular, fragmental, grey-yellow		161.14-164.27 «SePN,SiSW» moderate, pervasive, sericitization; weak, spotty, silicification	164.08-164.09 «CpF1.0%,» 1.0% fracture/vein controlled chalcopyrite	
164.27 TO 164.76	«2,*a,*i,<RWV>» Mafic Volcanic tuff matrix supported reworked volcanic Debris			164.27-164.76 «ChFW,SiSW,CbFW» weak, fracture/vein controlled, chloritization; weak, spotty, silicification; weak, fracture/vein controlled, carbonatization	164.65-164.76 «PyD8.0-10.0%,» 8.0-10.0% disseminated/blebby pyrite	
164.76 TO 181.30	«3,bx,f,*a» Intermediate Volcanic breccia primary fragmentals tuff	very similar to intervals prior to 161.14m		164.76-181.30 «ChFM,SeSW,SiSW» moderate, fracture/vein controlled, chloritization; weak, spotty, sericitization; weak, spotty, silicification	165.24-165.50 «PyD10.0-12.0%,» 10.0-12.0% disseminated/blebby pyrite 165.80-166.56 «PyD10.0-12.0%,» 10.0-12.0% disseminated/blebby pyrite 169.58-166.63 «PoF4.0%,» 4.0% fracture/vein controlled pyrrhotite 171.52-173.25	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
					«Py03.0-10.0%,PoF2.0-4.0%,» 3.0-10.0% disseminated/blebby pyrite; 2.0-4.0% fracture/vein controlled pyrrhotite 173.30-181.30 «Py08.0-20.0%,» 8.0-20.0% disseminated/blebby pyrite, 8% pyrite throughout, with small 15cm intervals of ~20% pyrite	
181.30 TO 185.69	«3,m,*a» Intermediate Volcanic massive tuff	massive, fractured yellow-grey with dark remnant crystals? flecks (shards or crystals), hard core		181.36-185.69 «SePW,SiSW» weak, pervasive, sericitization; weak, spotty, silicification	181.30-185.69 «PyF1.0%,» 1.0% fracture/vein controlled pyrite	
185.69 TO 197.95	«3,e,*a,*f, <RWV>» Intermediate Volcanic amygdaloidal/vesicular tuff matrix supported reworked volcanic Debris	hard, grey-yellow, fragments(shards?), amygdules?, fractured unit - in situ brecciation?		185.69-196.21 «SePW,SiSW,CbFW» weak, pervasive, sericitization; weak, spotty, silicification; weak, fracture/vein controlled, carbonatization 196.21-197.95 «CbFM,SePW» moderate, fracture/vein controlled, carbonatization; weak, pervasive, sericitization	186.76-188.82 «PoD6.0-10.0%,PyD4.0%,» 6.0-10.0% disseminated/blebby pyrrhotite; 4.0% disseminated/blebby pyrite 188.82-196.21 «PyF1.0-2.0%,» 1.0-2.0% fracture/vein controlled pyrite 196.21-197.95 «PyD20.0-25.0%,PoD10.0-12.0%,» 20.0-25.0% disseminated/blebby pyrite; 10.0-12.0% disseminated/blebby pyrrhotite	
197.95 TO 206.00	«3,a,m» Intermediate Volcanic fine grained massive	yellow-green fractured, in situ?, borderline intermediate-mafic intrusive				
206.00 TO 243.00	«8,a,m» Intermediate Intrusive fine grained massive	dark forest green, softer, no volcanic textures except local fracturing into what could be fragments		206.00-243.00 «CbFM,EpFW» moderate, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, epidotization	206.00-243.00 «PyD1.0-1.5%,» 1.0-1.5% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
243.00 TO 243.00	«EOH» End-Of-Hole					

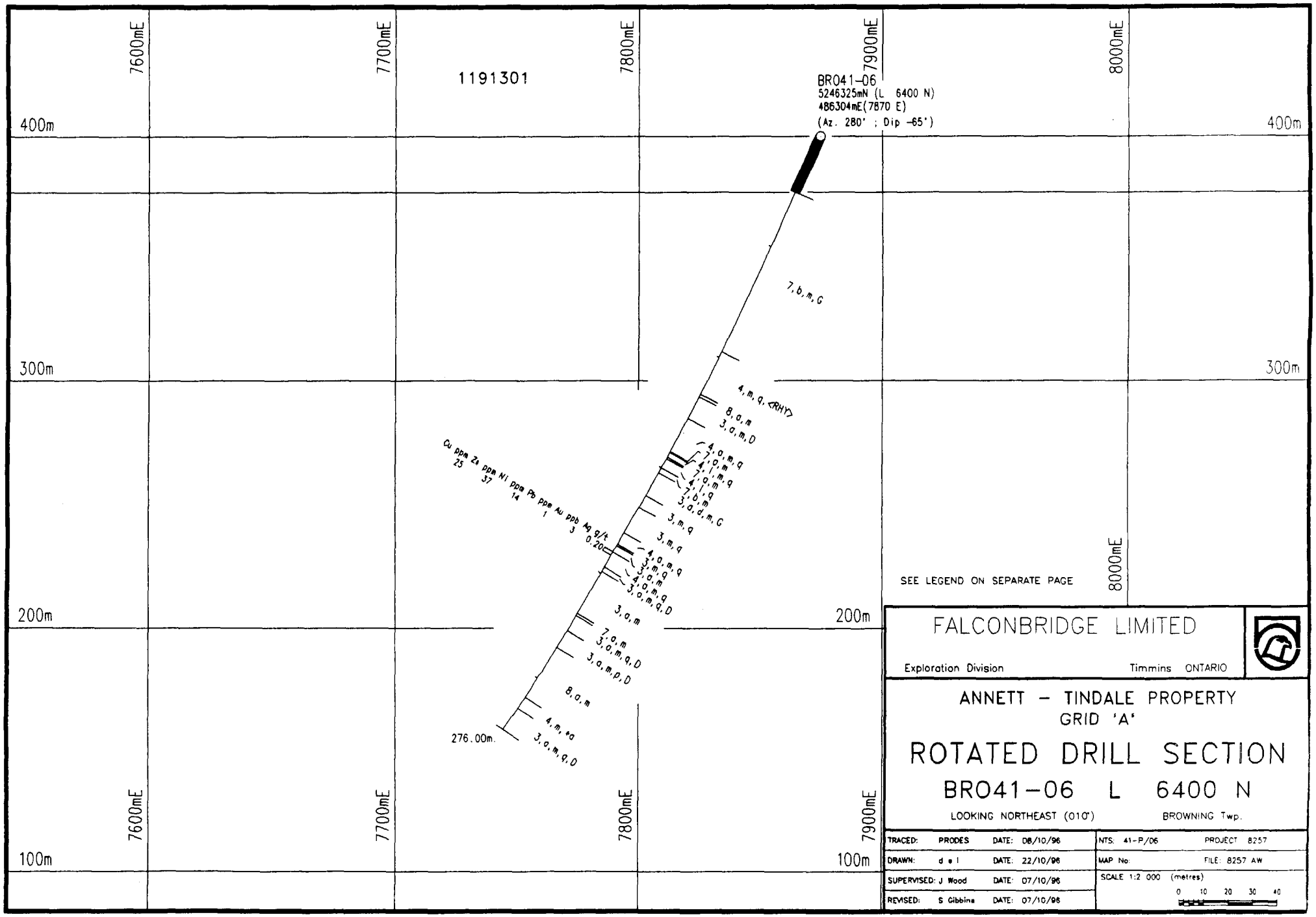
Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT07055	88.10	89.00	0.90	133	110	32	16	10	0.6										0.0	5.0	15.0	0.0	0.0	0.0	2,l,*a	
AT07056	89.00	90.00	1.00	244	56	21	19	7	0.8										0.0	5.0	15.0	0.0	0.0	0.0	2,l,*a	
AT07057	90.00	90.70	0.70	179	44	24	17	3	1.1										0.0	5.0	15.0	0.0	0.0	0.0	2,l,*a	
AT07058	90.70	91.50	0.80	248	51	22	20	<2	0.9										0.0	5.0	15.0	0.0	0.0	0.0	2,l,*a	
AT07059	91.50	92.75	1.25	27	95	9	32	<2	0.2										0.0	0.0	50.0	0.0	0.0	0.0	3,*a,*i,<RWV>	
AT07060	92.75	94.00	1.25	52	91	19	21	<2	0.7										0.0	0.0	50.0	0.0	0.0	0.0	2,*a,*i,<RWV>	
AT07061	94.00	95.00	1.00	54	100	14	26	<2	0.6										0.0	0.0	0.0	0.0	0.0	0.0	2,*a,*i,<RWV>	
AT07062	123.59	125.09	1.50	84	54	22	69	10	0.6										0.0	4.5	6.0	0.5	0.0	0.5	3,e,l	
AT07063	125.09	126.55	1.46	172	4560	1380	54	7	1.4										0.0	4.5	6.0	0.5	0.0	0.5	3,e,l	
AT07064	129.80	130.53	0.73	364	222	10	73	3	1.1										0.0	1.5	7.0	0.5	0.5	0.0	3,m,*a,<RWV>	
AT07065	130.53	131.14	0.61	55	219	17	103	7	0.2										0.0	1.5	7.0	0.5	0.5	0.0	3,m,*a,<RWV>	
AT07066	131.14	132.00	0.86	153	181	4	59	<2	0.5										0.0	1.5	7.0	0.5	0.5	0.0	3,m,*a,<RWV>	
AT07067	165.23	166.51	1.28	18	756	355	16	<2	0.6										0.0	0.0	11.0	0.0	0.0	0.0	3,bx,f,*a	
AT07068	171.47	173.92	2.45	16	51	7	16	<2	0.2										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07069	173.92	174.48	0.56	21	24	8	13	7	0.2										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07070	174.48	175.97	1.49	34	27	8	15	10	0.2										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07071	175.97	177.44	1.47	9	34	4	10	<2	0.1										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07072	177.44	178.95	1.51	13	25	7	18	<2	0.1										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07073	178.95	180.20	1.25	10	17	7	12	<2	0.2										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07074	180.20	181.70	1.50	15	15	8	11	3	0.1										0.0	3.0	7.0	0.0	0.0	0.0	3,bx,f,*a	
AT07075	181.70	183.12	1.42	10	16	5	10	24	0.1										0.0	0.0	1.0	0.0	0.0	0.0	3,m,*a	
AT07076	183.12	184.62	1.50	10	19	2	11	10	0.1										0.0	0.0	1.0	0.0	0.0	0.0	3,m,*a	
AT07077	184.62	186.00	1.38	17	27	3	22	17	0.1										0.0	0.0	1.0	0.0	0.0	0.0	3,m,*a	
AT07078	186.00	187.48	1.48	26	47	2	38	10	0.1										0.0	8.0	4.0	0.0	0.0	0.0	3,e,*a,*i,<RWV>	
AT07079	187.48	188.96	1.48	38	48	7	47	<2	0.1										0.0	8.0	4.0	0.0	0.0	0.0	3,e,*a,*i,<RWV>	
AT07080	196.20	197.96	1.76	191	298	15	56	<2	0.8										0.0	11.0	23.0	0.0	0.0	0.0	3,e,*a,*i,<RWV>	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT06762	88.10	91.50	3.40	35.25	9.10	1.12	5.01	0.08	0.30	37.62	0.38	0.10	0.50	0.06	10.80	100.32	14	80		65	65	15		2,l,*a	4(j)AI	607
AT06763	91.50	94.60	3.10	49.50	11.35	3.10	5.20	0.94	0.30	21.17	1.74	0.84	0.30	0.12	6.24	100.80	22	190		20	70	30		2,*a,*i,<RWV>	2jyB$	262
AT06764	102.17	104.96	2.79	46.84	15.63	8.40	5.19	2.97	0.78	11.80	1.09	0.16	0.22	0.07	7.60	100.75	20	58		155	30	70		3,bx,f,*a,<RWV>	2hw$	129
AT06765	128.41	131.23	2.82	70.34	14.30	1.83	1.67	2.14	2.32	4.66	0.44	0.24	0.08	0.14	2.51	100.67	20	156		15	150	10		3,a,m	4jB$	227
AT06766	159.50	162.37	2.87	73.40	15.58	1.64	0.75	1.41	3.58	1.43	0.19	0.08	0.03	0.12	2.28	100.49	28	126		<5	65	<5		3,f,*a	4(h)B	235
AT06767	171.00	173.82	2.82	73.39	12.26	3.00	0.63	0.63	3.06	3.34	0.18	0.06	0.06	0.09	3.03	99.73	22	218		10	<5	<5		3,bx,f,*a	4jB$	183
AT06768	174.00	177.00	3.00	70.07	13.33	1.95	0.75	0.92	3.16	4.92	0.21	0.08	0.08	0.05	3.55	99.07	22	206		15	35	<5		3,bx,f,*a	4jB$	221
AT06769	180.00	183.00	3.00	64.86	15.14	3.32	0.57	0.61	4.16	3.86	0.21	0.08	0.05	0.06	4.75	97.67	26	198		55	<5	<5		3,a,m,*a	4jB$	187
AT06770	192.00	195.00	3.00	67.60	14.59	4.09	1.36	0.89	2.84	3.75	0.54	0.16	0.06	0.04	3.69	99.61	16	144		20	5	20		3,e,*a,*i,<RWV>	3j	187
AT06771	196.27	199.18	2.91	62.54	10.95	8.28	1.89	1.01	1.64	7.28	0.49	0.10	0.14	0.09	4.19	98.60	14	82		45	325	10		3,e,*a,*i,<RWV>	3(j)$	100

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT06762	88.10	91.50	3.40						25		102000	60																	
AT06763	91.50	94.60	3.10						25		42500	110																	
AT06764	102.17	104.96	2.79						40		5400	285																	
AT06765	128.41	131.23	2.82						25		10300	40																	
AT06766	159.50	162.37	2.87						15		100	25																	
AT06767	171.00	173.82	2.82						15		8000	10																	
AT06768	174.00	177.00	3.00						10		24700	5																	
AT06769	180.00	183.00	3.00						10		18300	<5																	
AT06770	192.00	195.00	3.00						15		100	60																	
AT06771	196.27	199.18	2.91						15		38300	105																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT06762	88.10	91.50	3.40														<1						7		0.24	0.12	3	82	813
AT06763	91.50	94.60	3.10														1						11		0.37	0.27	6	58	74
AT06764	102.17	104.96	2.79														2						38		0.51	0.54	13	34	10
AT06765	128.41	131.23	2.82														<1						7		0.46	0.13	6	50	70
AT06766	159.50	162.37	2.87														1						5		0.56	0.11	7	59	46
AT06767	171.00	173.82	2.82														<1						5		0.31	0.24	8	50	8
AT06768	174.00	177.00	3.00														<1						5		0.26	0.15	7	58	38
AT06769	180.00	183.00	3.00														<1						5		0.26	0.22	9	55	8
AT06770	192.00	195.00	3.00														1						8		0.46	0.28	15	46	6
AT06771	196.27	199.18	2.91														<1						18		0.38	0.76	5	28	322

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AT06762	88.10	91.50	3.40		<5	
AT06763	91.50	94.60	3.10		10	
AT06764	102.17	104.96	2.79		<5	
AT06765	128.41	131.23	2.82		<5	
AT06766	159.50	162.37	2.87		10	
AT06767	171.00	173.82	2.82		<5	
AT06768	174.00	177.00	3.00		<5	
AT06769	180.00	183.00	3.00		5	
AT06770	192.00	195.00	3.00		5	
AT06771	196.27	199.18	2.91		<5	


7600mE
7700mE
7800mE
7900mE
8000mE
1191301
BR041-06
5246325mN (L 6400 N)
486304mE(7870 E)
(Az. 280° ; Dip -65°)
400m
300m
200m
100m
7,b,m,G
4,m,q,<RHY>
8,a,m
3,a,m,D
4,a,m,q
7,a,m
4,i,m,q
7,a,m
4,i,q
7,b,m
3,a,d,m,G
3,m,q
3,m,q
4,a,m,q
3,a,m,q
4,a,m,q
3,a,m,q,D
3,a,m
7,a,m
3,a,m,q,D
3,a,m,p,D
8,a,m
4,m,sa
3,a,m,q,D
276.00m.
Cu ppm Zn ppm Ni ppm Pb ppm Au ppb Ag g/t
25 37 14 1 3 0.20
SEE LEGEND ON SEPARATE PAGE
FALCONBRIDGE LIMITED
Exploration Division
Timmins ONTARIO
ANNETT - TINDALE PROPERTY
GRID 'A'
ROTATED DRILL SECTION
BR041-06 L 6400 N
LOOKING NORTHEAST (010°)
BROWNING Twp.
TRACED: PRODES DATE: 08/10/96
DRAWN: d e l DATE: 22/10/96
SUPERVISED: J Wood DATE: 07/10/96
REVISED: S Gibbins DATE: 07/10/96
NTS: 41-P/06
PROJECT 8257
MAP No:
FILE: 8257 AW
SCALE 1:2 000 (metres)
0 10 20 30 40

HOLE NUMBER: BR041-06

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 10/30/1996
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: 8257
PROJECT NUMBER: 8257
CLAIM NUMBER: 1191301
LOCATION: BROWNING

PLOTTING COORDS GRID: GRID A
NORTH: 5246325.00N
EAST: 486304.00E
ELEV: 400.00

ALTERNATE COORDS GRID: GRID A
NORTH: 64+ 0N
EAST: 78+70E
ELEV: 400.00

COLLAR DIP: -65° 0' 0"
LENGTH OF THE HOLE: 276.00M
START DEPTH: 0.00M
FINAL DEPTH: 276.00M

COLLAR ASTRONOMIC AZIMUTH: 280° 0' 0"

GRID ASTRONOMIC AZIMUTH: 100° 0' 0"

DATE STARTED: 09/18/1996
DATE COMPLETED: 09/21/1996
DATE LOGGED: / /

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: NO
HOLE SIZE: BQ

CONTRACTOR: DOMINIK
CASING: BW LEFT IN HOLE
CORE STORAGE: KIDD MINE SITE
UTM COORD.: Zone 17

COMMENTS :
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments	Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
35.00	0° 0' 0"	-66° 0' 0"	A	DO		-	-	-	-	-	
90.00	0° 0' 0"	-64° 0' 0"	A	DO		-	-	-	-	-	
150.00	0° 0' 0"	-60° 0' 0"	A	DO		-	-	-	-	-	
210.00	0° 0' 0"	-59° 0' 0"	A	DO		-	-	-	-	-	
276.00	0° 0' 0"	-55° 0' 0"	A	DO		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	
-	-	-	-	-		-	-	-	-	-	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 25.50	«|OI|» Casing Overburden					
25.50 TO 97.46	«7,b,m,G» Mafic Intrusive medium grained massive leucoxene bearing	Gabbroic texture, magnetite flecks (3-4%)?		25.50-97.46 «CbFM» moderate, fracture/vein controlled, carbonatization	25.50-97.46 «Py01.0-2.0%,» 1.0-2.0% disseminated/blebby pyrite	
97.46 TO 116.60	«4,m,q,<RHY>» Felsic Volcanic massive quartz phyric rhyolite	chlorite flecks give green tinge, quartz eyes (1-2%), remnant feldspar crystals, purplish alteration		97.46-116.60 «CbFM,ChFW» moderate, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, chloritization 105.25-108.61 «SePM,ChFW» moderate, pervasive, sericitization; weak, fracture/vein controlled, chloritization	barren	
116.60 TO 117.96	«8,a,m» Intermediate Intrusive fine grained massive			116.60-117.96 «CbFW» weak, fracture/vein controlled, carbonatization	116.60-117.96 «Py01.0%,» 1.0% disseminated/blebby pyrite	
117.96 TO 127.58	«3,a,m,D» Intermediate Volcanic fine grained massive feldspar phyric	purple-grey, with white flecks, hard, massive, possible fragments (felsic) or shards		117.96-127.58 «CbFW,SePW» weak, fracture/vein controlled, carbonatization; weak, pervasive, sericitization, purple tinge	117.96-127.58 «Py01.0%,» 1.0% disseminated/blebby pyrite	
127.58 TO 142.69	«4,a,m,q» Felsic Volcanic fine grained	possible flow features otherwise massive, green chlorite flecks, quartz eyes ~3-4%, remnant feldspar, hard, intervals or concentrated f-spar		127.58-142.69 «CbFW,SePW,ChSW» weak, fracture/vein controlled, carbonatization; weak, pervasive,	barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	massive quartz phyric			sericitization; weak, spotty, chloritization		
142.69 TO 143.20	«7,a,m» Mafic Intrusive fine grained massive			142.69-143.20 «CbFW» weak, fracture/vein controlled, carbonatization	barren	
143.20 TO 145.18	«4,l,m,q» Felsic Volcanic flows (banded) massive quartz phyric			143.20-145.18 «SePM,CbFW,ChSW» moderate, pervasive, sericitization; weak, fracture/vein controlled, carbonatization; weak, spotty, chloritization	barren	
145.18 TO 145.85	«7,a,m» Mafic Intrusive fine grained massive			145.18-145.85 «CbFW» weak, fracture/vein controlled, carbonatization	barren	
145.85 TO 150.13	«4,l,q» Felsic Volcanic flows (banded) quartz phyric	slightly green grey with purple intervals - bleached mafic or purple alteration?, quartz eyes smaller 2-3%,		145.85-150.13 «CbFW,BlPW» weak, fracture/vein controlled, carbonatization; weak, pervasive, bleaching ?	barren	
150.13 TO 152.36	«7,b,m» Mafic Intrusive medium grained massive	green flecks - epidotization of feldspars?,		150.13-152.36 «CbFW,EpFW» weak, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, epidotization	150.13-152.36 «PyF2.0%,» 2.0% fracture/vein controlled pyrite	
152.36 TO 162.90	«3,a,d,m,G» Intermediat e Volcanic fine	dark gray with intervals of pink laths(f-spar?), bleached mafic? 161.06-162.03 «3,a,m,G»		152.36-162.90 «BlPW,CbFW» weak, pervasive, bleaching; weak,	161.24-161.26 «PyD4.0%,» 4.0% disseminated/blebby pyrite	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
	grained quartz-feldspar Phyric massive leucoxene bearing	Intermediate Volcanic fine grained, massive, leucoxene bearing, pink feldspars?		fracture/vein controlled, carbonatization		
162.90 TO 168.50	«3,m,q» Intermediate Volcanic massive quartz phyric			165.00-168.50 «CbFW» weak, fracture/vein controlled, carbonatization	barren	
168.50 TO 181.00	«3,m,q» Intermediate Volcanic massive quartz phyric	Garnets pepper unit - 15%		168.50-181.00 «ChFW,CbFW» weak, fracture/vein controlled, chloritization; weak, fracture/vein controlled, carbonatization	barren	
181.00 TO 186.20	«4,s,m,q» felsic Volcanic fine grained massive quartz phyric			181.00-186.20 «SePW» weak, pervasive, sericitization	barren	
186.20 TO 187.00	«3,m,q» Intermediate Volcanic massive quartz phyric	garnetiferous, 15%				
187.00 TO 190.00	«3,a,m» Intermediate Volcanic fine grained massive			187.00-190.00 «ChPW» weak, pervasive, chloritization	barren	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
190.00 TO 197.00	«4,a,m,q» Felsic Volcanic fine grained massive quartz phyric			190.00-197.00 «ChPW» weak, pervasive, chloritization	190.00-191.00 «PyD10.0-15.0%,PoD5.0%,» 10.0-15.0% disseminated/blebby pyrite; 5.0% disseminated/blebby pyrrhotite 196.00-196.50 «PyD8.0%,PoD5.0%,» 8.0% disseminated/blebby pyrite; 5.0% disseminated/blebby pyrrhotite	
197.00 TO 199.00	«3,a,m,q,D» Intermediate Volcanic fine grained massive quartz phyric feldspar phyric	garnetiferous			none	intrusive??
199.00 TO 219.00	«3,a,m» Intermediate Volcanic fine grained massive			199.00-219.00 «SePW» weak, pervasive, sericitization	barren	
219.00 TO 220.00	«7,a,m» Mafic Intrusive fine grained massive				none	
220.00 TO 227.00	«3,a,m,q,D» Intermediate Volcanic fine grained massive quartz phyric feldspar phyric			220.00-227.00 «CbFW,ChFW,SePW» weak, fracture/vein controlled, carbonatization; weak, fracture/vein controlled, chloritization; weak, pervasive, sericitization	barren	intrusive??

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
227.00 TO 235.00	«3,a,m,p,D» Intermediate Volcanic fine grained massive pillowed feldspar phyric	garnetiferous				intrusive??
235.00 TO 259.50	«8,a,m» Intermediate Intrusive fine grained massive					
259.50 TO 265.00	«4,m,*a» Felsic Volcanic massive tuff			259.00-265.00 «SePW» weak, pervasive, sericitization		
265.00 TO 276.00	«3,a,m,q,D» Intermediate Volcanic fine grained massive quartz phyric feldspar phyric			265.00-276.00 «CbFW» weak, fracture/vein controlled, carbonatization	none	
276.00 TO 276.00	«EOH» End-Of-Hole					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AT07081	189.87	191.48	1.61	25	37	1	14	3	0.2										0.0	6.0	15.0	0.0	0.0	0.0	4,a,m,q	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AT06773	101.34	104.34	3.00	63.11	14.44	6.40	2.57	1.47	2.06	3.25	0.32	0.12	0.06	0.04	5.49	99.33	12	130		25	20	10		4,m,q,<RHY>	4jA	145
AT06774	113.20	116.20	3.00	68.95	15.52	3.30	2.17	1.72	2.46	2.92	0.38	0.12	0.04	0.07	3.17	100.82	12	136		10	20	15		4,m,q,<RHY>	4jA	207
AT06775	132.20	135.20	3.00	68.32	15.67	3.18	1.81	0.85	3.32	2.52	0.38	0.12	0.04	0.04	4.06	100.31	10	164		10	20	<5		4,a,m,q	4jA	213
AT06776	155.00	158.00	3.00	69.61	15.66	2.85	1.75	1.09	2.92	2.39	0.37	0.12	0.07	0.06	2.72	99.61	8	136		5	70	15		3,a,d,m,G	4jA	228
AT06777	170.00	173.00	3.00	64.36	14.16	4.60	2.39	0.88	1.98	7.30	0.34	0.12	0.33	0.03	4.07	100.56	14	96		25	45	25		3,m,q	4(j)A	190
AT06778	189.00	192.00	3.00	64.60	13.91	3.67	2.41	1.02	2.04	7.88	0.33	0.10	0.35	0.07	3.89	100.27	12	110		10	35	15		3,a,m	4jA$	207
AT06779	210.00	213.00	3.00	68.67	15.70	4.08	1.71	1.85	2.26	3.17	0.37	0.10	0.10	0.04	2.87	100.92	10	122		35	40	25		3,a,m	4jA	192
AT06780	269.00	272.00	3.00	69.47	14.84	4.09	1.67	1.60	2.60	2.44	0.30	0.10	0.06	0.06	3.27	100.50	6	124		40	10	10		3,a,m,q,D	4jA	179

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AT06773	101.34	104.34	3.00						15		<100	50																	
AT06774	113.20	116.20	3.00						10		<100	55																	
AT06775	132.20	135.20	3.00						5		<100	60																	
AT06776	155.00	158.00	3.00						10		100	75																	
AT06777	170.00	173.00	3.00						10		100	55																	
AT06778	189.00	192.00	3.00						10		7000	50																	
AT06779	210.00	213.00	3.00						10		<100	50																	
AT06780	269.00	272.00	3.00						10		<100	45																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AT06773	101.34	104.34	3.00														1						8		0.65	0.44	4	37	14
AT06774	113.20	116.20	3.00														<1						7		0.64	0.21	7	48	12
AT06775	132.20	135.20	3.00														<1						7		0.63	0.20	3	56	24
AT06776	155.00	158.00	3.00														<1						7		0.64	0.18	9	54	64
AT06777	170.00	173.00	3.00														2						7		0.44	0.32	10	44	51
AT06778	189.00	192.00	3.00														<1						6		0.42	0.26	6	49	34
AT06779	210.00	213.00	3.00														<1						6		0.56	0.26	15	40	22
AT06780	269.00	272.00	3.00														<1						5		0.62	0.28	6	43	6

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AT06773	101.34	104.34	3.00		<5	
AT06774	113.20	116.20	3.00		10	
AT06775	132.20	135.20	3.00		5	
AT06776	155.00	158.00	3.00		10	
AT06777	170.00	173.00	3.00		<5	
AT06778	189.00	192.00	3.00		<5	
AT06779	210.00	213.00	3.00		<5	
AT06780	269.00	272.00	3.00		<5	

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use): W 9780.00307

Assessment Files Research Imaging

Personal information coll
Mining Act, the informatic
Questions about this c
933 Ramsey Lake Road,

41P06NE0029 2.17193 BROWNING

900

3) of the Mining Act. Under section 8 of the
and correspond with the mining land holder.
thern Development and Mines, 6th Floor,

2.17193

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: JOHN LAVERNE TINDALE	Client Number: 202125
Address: SUITE 907, 110 ERSKINE AVE	Telephone Number: 416-481-5781
TORONTO ONTARIO M4P1Y4	Fax Number: 416-481-5781
Name	Client Number
Address	Telephone Number
	Fax Number

RECEIVED
APR 22 1997
MINING LANDS BRANCH

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

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
☑ Physical: drilling, stripping, trenching and associated assays
☐ Rehabilitation

		Office Use
Work Type: DIAMOND DRILLING 16 holes 4047 metres		Commodity
		Total $ Value of Work Claimed: 297952
Dates Work Performed: From 01 (Day) 01 (Month) 96 (Year) To 14 (Day) 04 (Month) 97 (Year)		NTS Reference
~~Global Positioning System Data (if available)~~ BROWNING / OGILVIE	Township/Area: AMYOT / SHEARD	Mining Division: Larder Lake
G957 / G1003	M or G-Plan Number: G948 / M1107	Resident Geologist District: Cobalt

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: FALCONBRIDGE LIMITED (EXPLORATION)	Telephone Number: 705-267-1188
Address: 571 MONETA AVE, TIMMINS, ONT. P4N 7H9	Fax Number: 705-264-6080
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED LARDER LAKE MINING DIVISION
APR 17
8:15 AM.

4. Certification by Recorded Holder or Agent

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

Signature of Recorded Holder or Agent: J. Laverne Tindale		Date: April 14 1997
Agent's Address	Telephone Number: 416 481 5781	Fax Number: 416 481 5781

Diamond - Drilled

2.17193

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.

	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	18 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	1185494	16	0	12800	0	0
2	1185495	16	0	12800	0	0
3	1185496	16	0	12800	0	0
4	1185497	8	0	6400	0	0
5	1185498	8	0	6400	0	0
6	1185499	16	0	12800	0	0
7	1185500	16	0	12800	0	0
8	1185501	16	0	12800	0	0
9	1185502	16	0	12800	0	0
10	1185503	16	111732	12800	94000 D.R.I. ~~98400~~	2932 D.R.T. ~~332~~
11	1191296	16	0	12800	0	0
12	1191297	16	0	12800	0	0
13	1191298	16	18622	12800	3800 D.R.I. ~~41000~~	2022 D.R.T. ~~2060~~ ~~4860~~
14	1191299	16	55866	12800	~~38400~~ 0	0
15	1191300	16	0	12800	76800	3510
16	1191301	16	93110	12800	0	0
17	1191302	16	0	12800	0	0
18	1191303	16	0	12800	0	2822
19	1191304	16	18622	12800	0	0
20	1191305	16	0	12800	0	0
21	1191306	16	0	12800	0	0
22	1191307	16	0	12800	0	0
23	1191308	16	0	12800	0	0
		352	297952	281,600	217,600	16,352

Column Totals

RECEIVED
APR 22 1997
MINING LANDS BRANCH

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.

	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. 2.17193	**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						
2						
3						
4		SEE ATTACHED				
5						
6						
7						
8		5 claims				
9						
10						
11						
12						
13						
14						
15						
		Column Totals				

I, JOHN LAVERNE TINDALE (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized In Writing	Date
J. L. Tindale	APRIL 14, 1997

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

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

- ☒ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☒ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

RECEIVED
APR 22 1997
MINING LANDS BRANCH

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
RECEIVED LABRADOR LAKE MINING DIVISION APR 22 1997 2150m	97 Jul 16	
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (02/96)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2.17193

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	4047 metres	57.41/metre	232331.77
Associated Costs (e.g. supplies, mobilization and demobilization).			
Mobilization & Demobilization		1.27/m.	5140
Casing	417.66m.	8.41/m	34045.68
Core Boxes		0.82/m	3307.77
Assays		1.19/m	4822.83
Transportation Costs			
Food and Lodging Costs			
Field Expenses		4.52/m	18303.67
		Total Value of Assessment Work	297952

RECEIVED
APR 22 1997
MINING LANDS BRANCH

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

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

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

RECEIVED

Certification verifying costs:

I, John Lawrence Tinbergen (please print full name), 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 Recorded Holder (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
J.L. Tinbergen	April 14, 1997

0212 (02/96)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

June 6, 1997

Roy Spooner
Mining Recorder
4 Government Road East
Kirkland Lake, ON
P2N 1A2

Dear Sir or Madam:

Submission Number: 2.17193

Subject: Transaction Number(s):		Status
	W9780.00307	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.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gates_b@torv05.ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

Correspondence ID: 10911
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17193

Date Correspondence Sent: June 06, 1997 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.00307	1185503	AMYOT, SHEARD	Approval	June 05, 1997

Section:

10 Physical PDRILL

Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

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

JOHN LAWRENCE TINDALE
TORONTO, Ontario

Correspondence ID: 10911

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s). Please contact the Mining Recorder to determine if this affects the status of your claims.

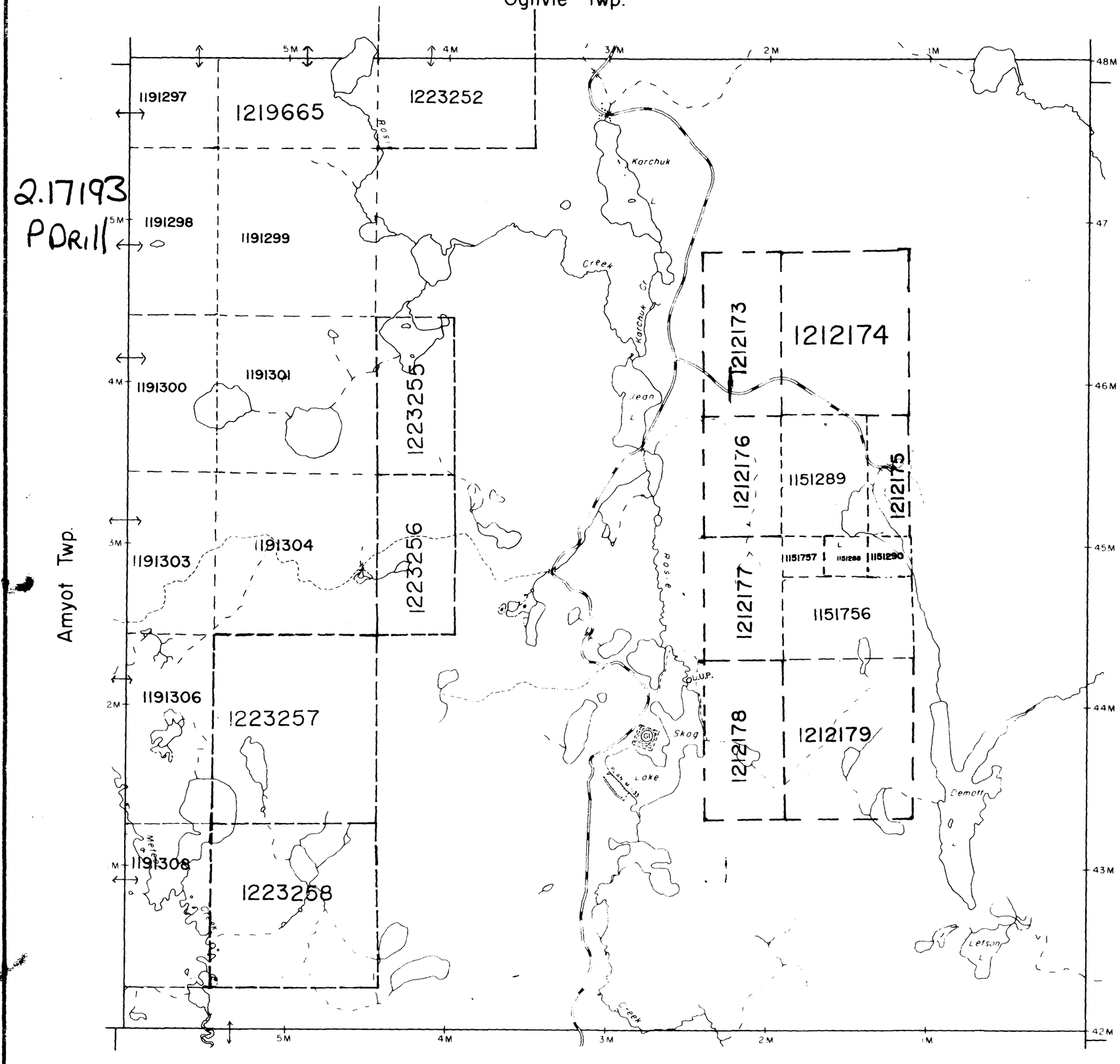
Date: June 06, 1997

Submission Number: 2.17193

Transaction Number: W9780.00307

Claim Number	Value Of Work Performed
1185503	83,794.00
1191298	20,203.00
1191300	78,521.00
1191301	115,434.00
1191304	0.00
Total: $	297,952.00

Correspondence ID: 10911



THE TOWNSHIP
OF

BROWNING

DISTRICT OF
SUDBURY

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc
LICENSE OF OCCUPATION	L.O
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

NOTES

400' Surface Rights Reservation around all lakes and rivers

SAND and GRAVEL

(61) MNR GRAVEL RESERVE 3C20

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

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP/AREA FALLS WITHIN THE SHININGTREE MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT, P.O.BOX 29 LOW AVENUE GOGAMA,ONT POM-1WO 705-894-2000

PLAN NO. G-957

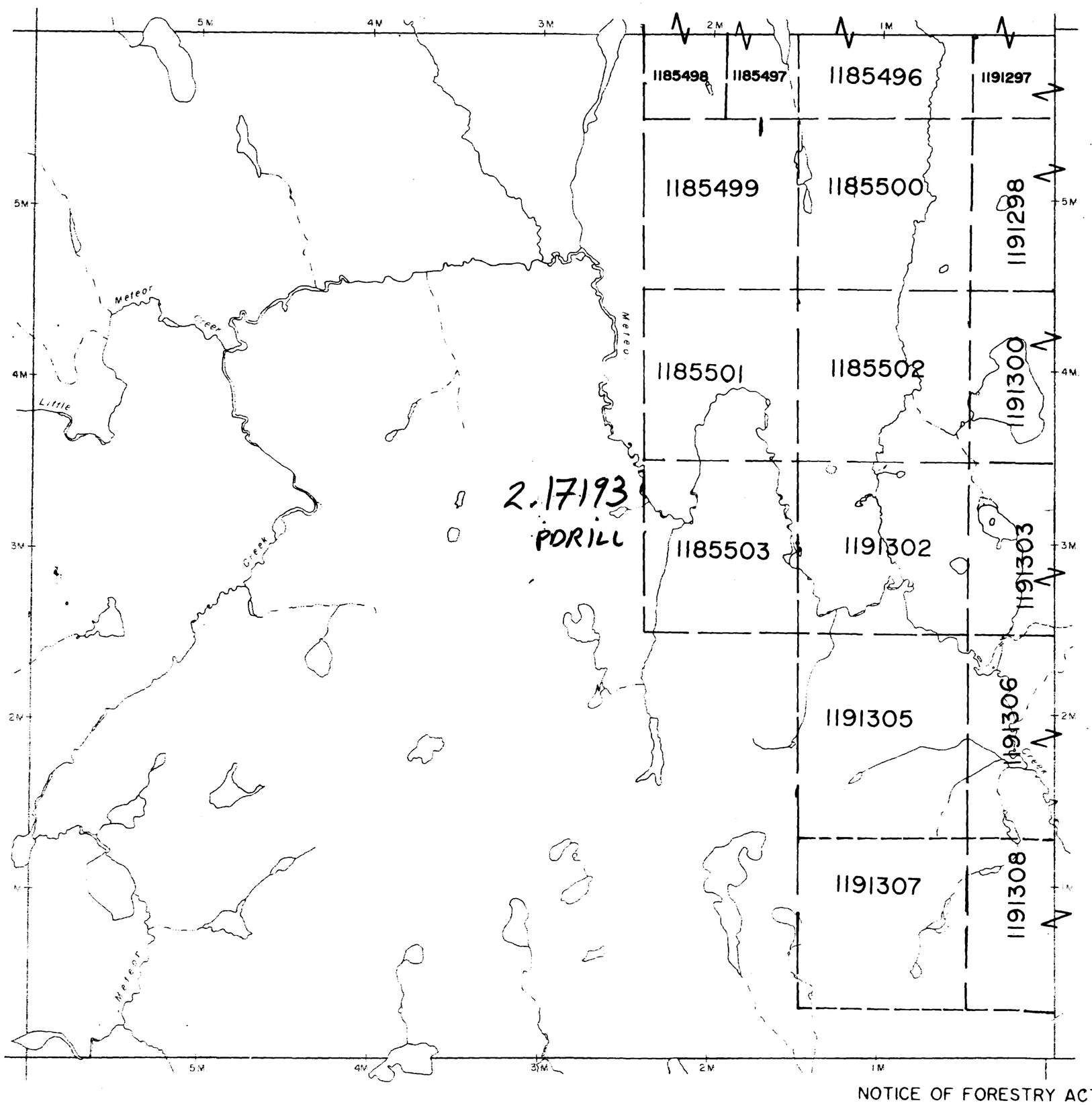
DEPARTMENT OF MINES

ONTARIO

CIRCULATED MARCH 13th 1990

COBALT RESIDENT GEO.

Sheard Twp.



2.17193

2.17193
PORILL

THE TOWNSHIP OF

AMYOT

DISTRICT OF
SUDBURY

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc
LICENSE OF OCCUPATION	L.O
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	X
CANCELLED	C

NOTES

400' Surface Rights Reservation around all lakes and rivers

CIRCULATED
DEC. 21,1993.

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

PLAN NO. G-948

DEPARTMENT OF MINES

— ONTARIO —

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE _____
HININGTREE MANAGEMENT UNIT
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129
LOW AVENUE
GOGAMA, ONT.
POM IWO
705-894-2000