52F04SE2001 2.19886 DASH LAKE 010

BERNARD BARTON

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807 937 4309

REPORT OF 1999 DIAMOND DRILLING
AT THE
PHINNEY DASH LAKE PROPERTY
ONTARIO
NTS 54 F4

DISTRIBUTION 1 ASSESSMENT, M.N.D.M. 2 COPIES
2 BERNARD BARTON 3 COPIES

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BERNARD C BARTON
PROSPECTOR
LICENCE # S6004
OCT 1999
Bernard Barton

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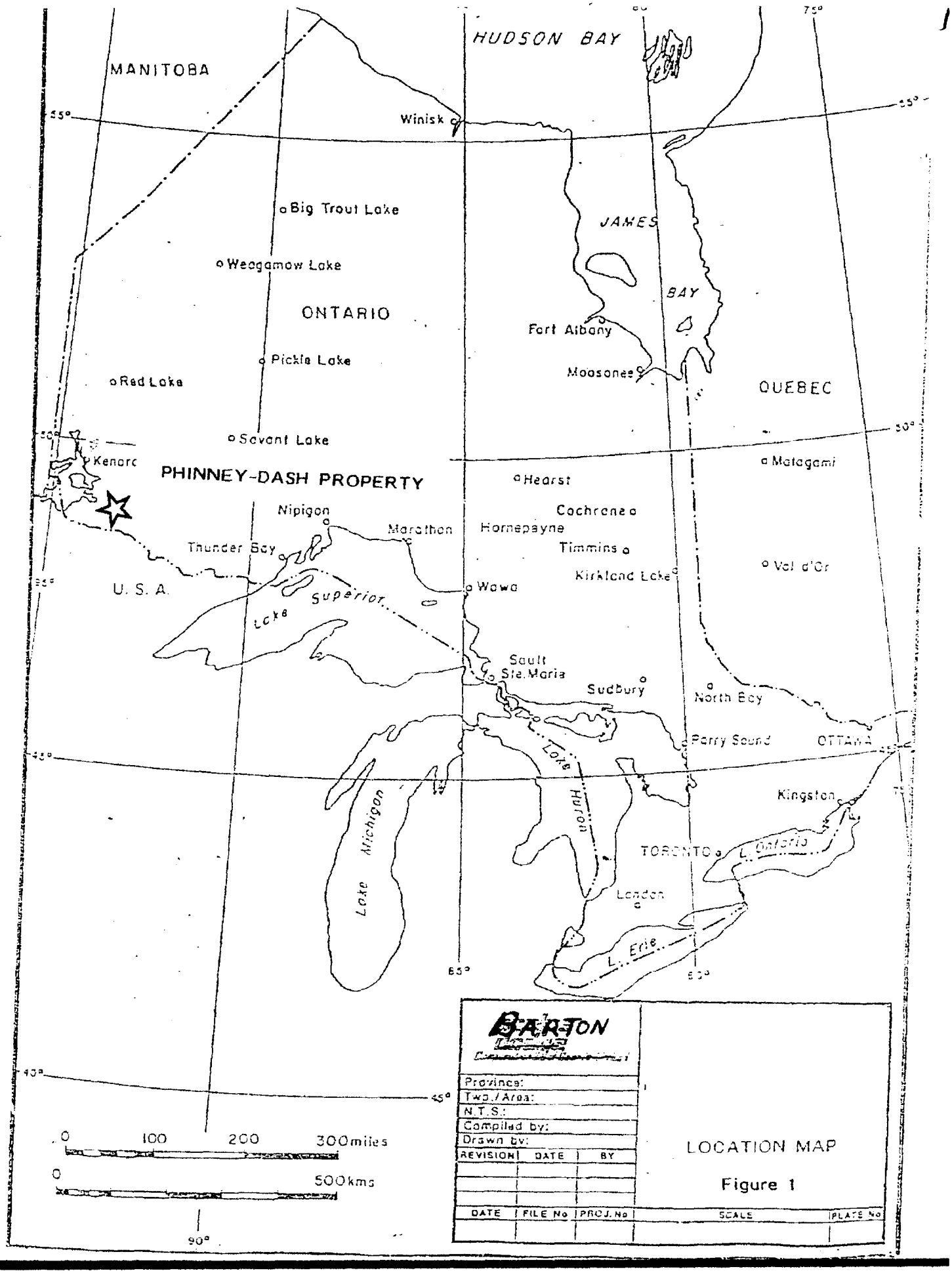
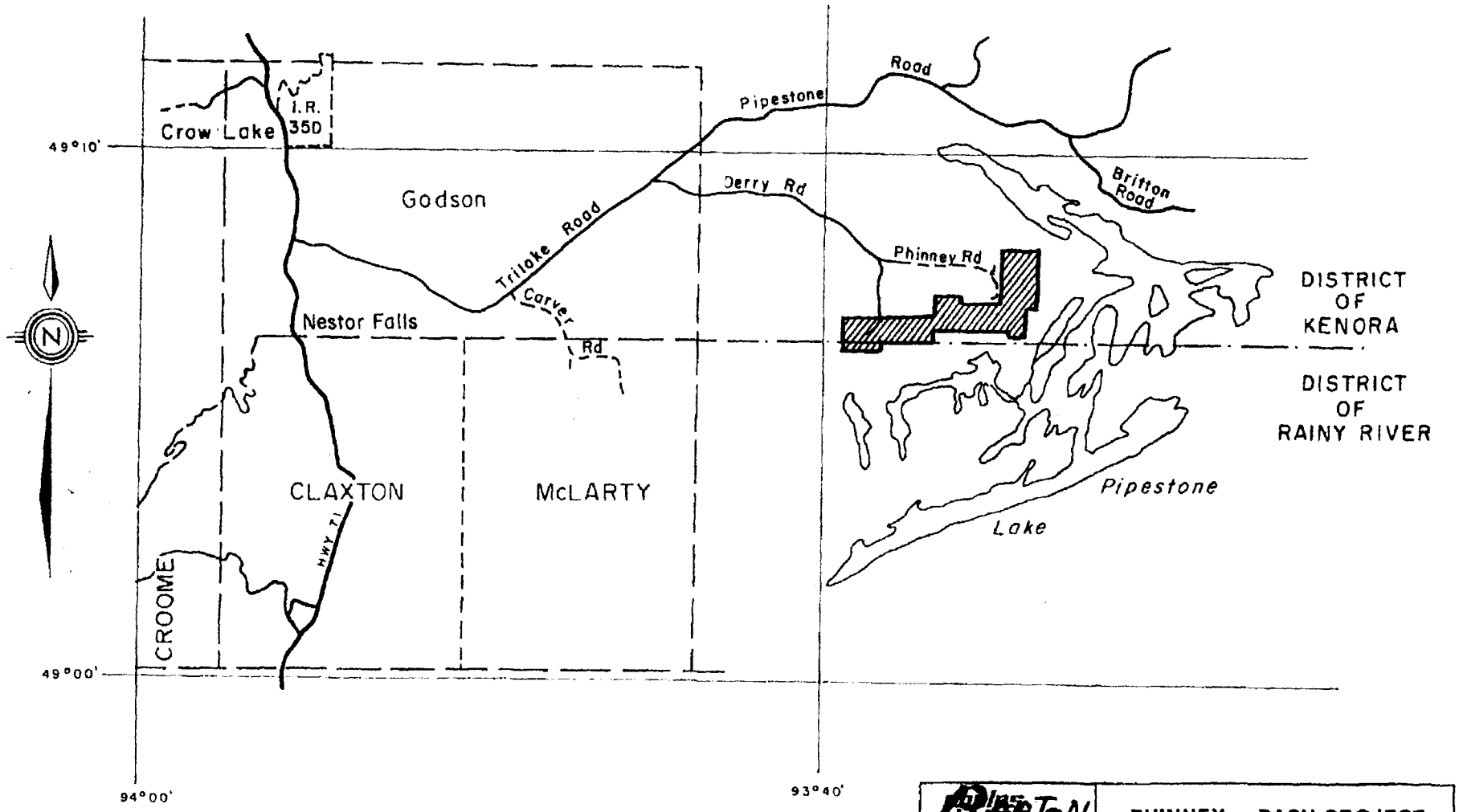
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

52F04SE2001 2.19886 DASH LAKE 010C

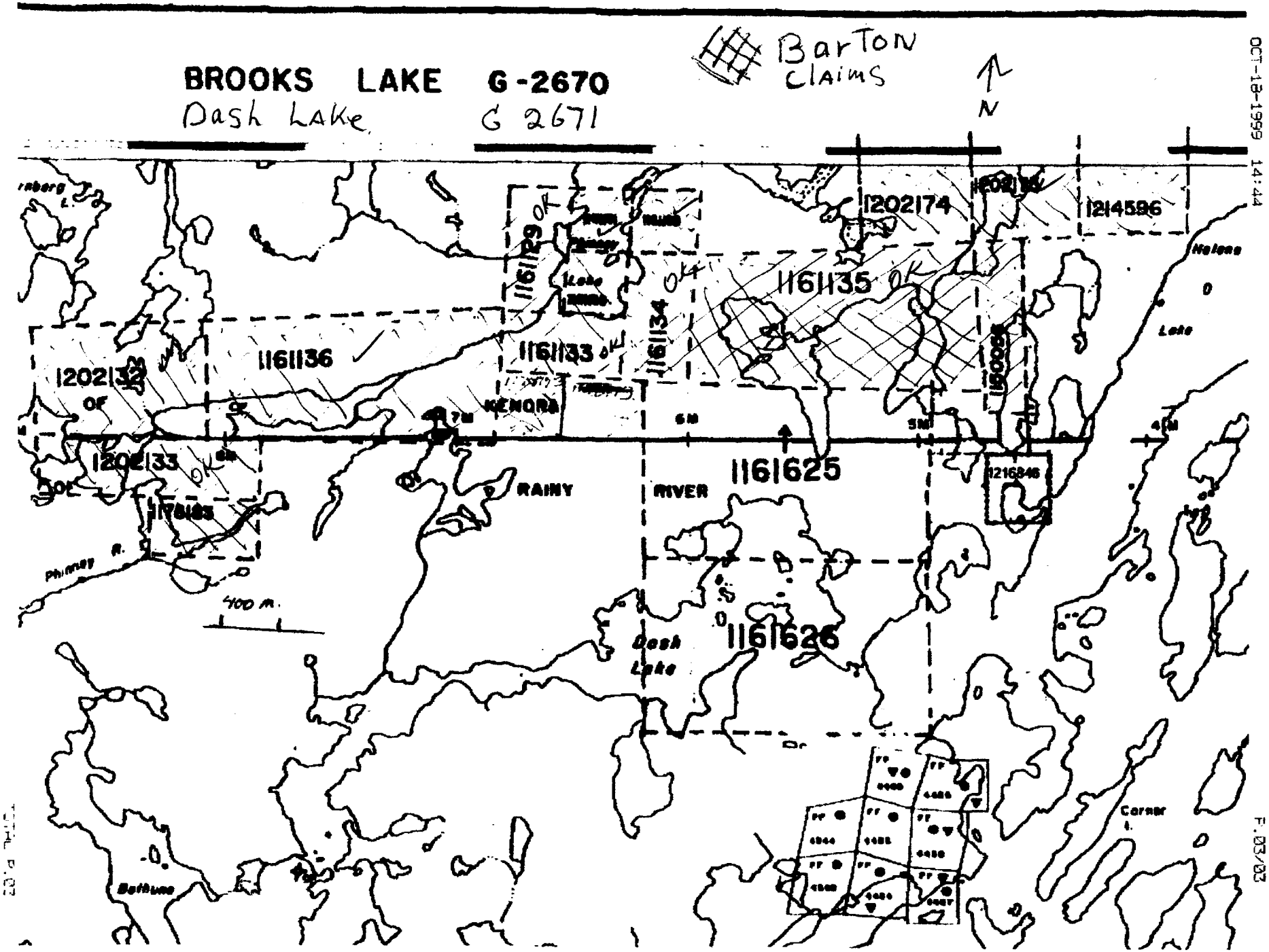
TABLE OF CONTENTS

1 ONTARIO LOCATION MAP
2 REGIONAL LOCATION MAP
3 PORTION OF G 2671 CLAIM MAP
4 PORTION OF GEOLOGICAL MAP 2430
5 GEOLOGICAL MAP LEGEND
6 INTRODUCTION
7 PREVIOUS WORK
8 GEOLOGICAL SETTING
9 CURRENT WORK PROGRAM
10 CONCLUSIONS AND RECOMENDATIONS
11 REFERENCES
12 13 DRILL LOG HOLE # 1
14 DRILL HOLE LOCATIONS # 1 AND # 2
15 DRILL HOLE SKETCH HOLE # 1
16 17 18 DRILL LOG HOLE # 2
19 DRILL HOLE SKETCH HOLE # 2
20 21 DRILL LOG HOLE # 3
22 DRILL HOLE LOCATION #3
23 DRILL HOLE SKETCH HOLE # 3
24 25 26 SAMPLE DESCRIPTIONS
27 TO 35 ASSAY CERTIFICATES

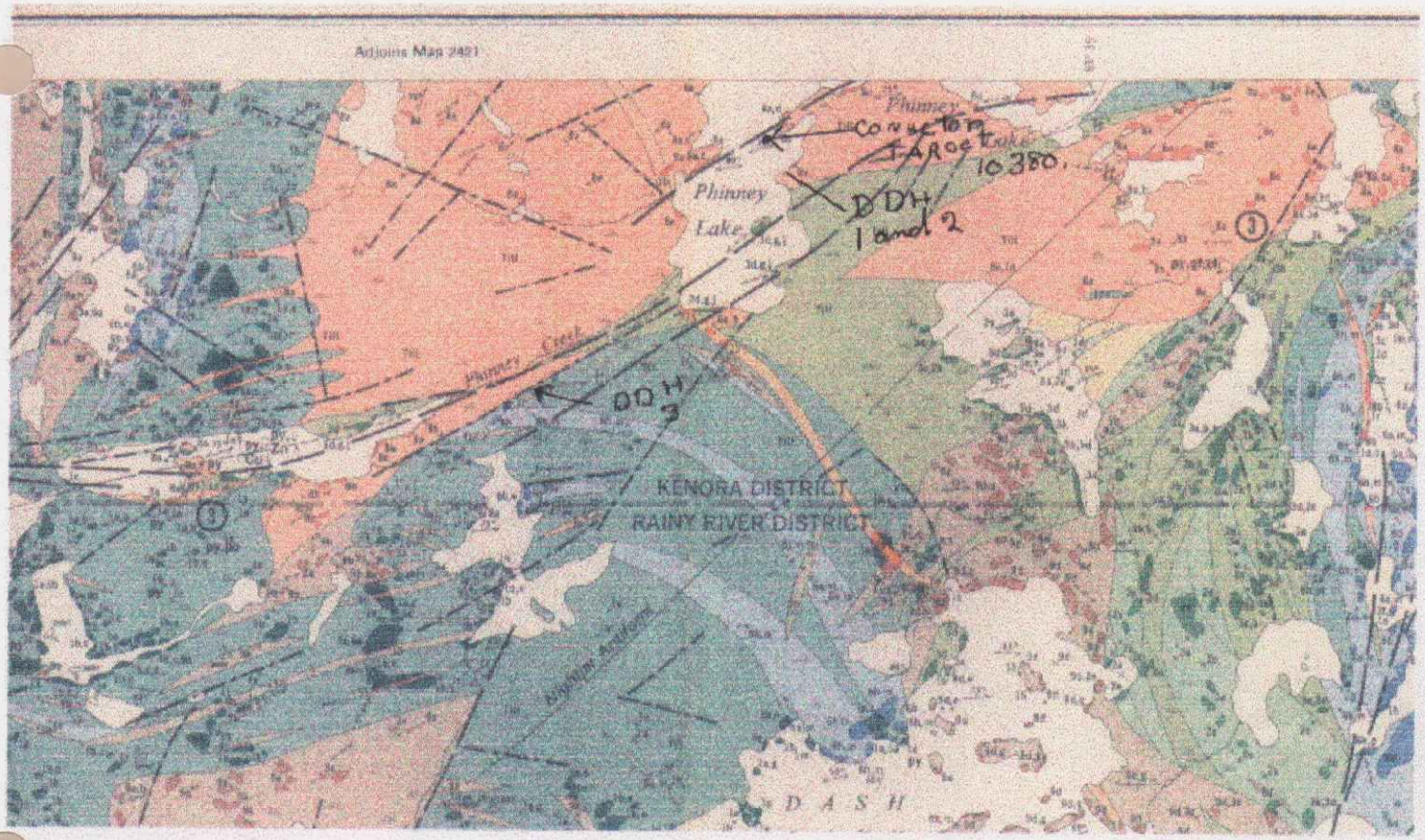

HUDSON BAY
MANITOBA
Winisk
Big Trout Lake
Weagamow Lake
ONTARIO
JAMES
BAY
Fort Albany
Moosonee
QUEBEC
Pickle Lake
Red Lake
Savant Lake
Kenora
PHINNEY-DASH PROPERTY
Hearst
Matagami
Nipigon
Cochrane
Hornepayne
Marathon
Thunder Bay
Timmins
Val d'Or
U. S. A.
Kirkland Lake
Wawa
Superior
Lake
Sault
Ste. Marie
Sudbury
North Bay
Parry Sound
OTTAWA
Lake Michigan
Lake Huron
Kingston
TORONTO
L. Ontario
London
L. Erie
0 100 200 300miles
0 500kms
Province:
Twp./Area:
N.T.S.:
Compiled by:
Drawn by:
REVISION | DATE | BY
DATE | FILE No | PROJ. No | SCALE | PLATE No
LOCATION MAP
Figure 1



Province: ONTARIO			PHINNEY - DASH PROJECT		
Twp./Area: Pipestone Lake			PHINNEY-DASH LAKES,		
N.T.S.: 52F/4			NESTOR FALLS AREA		
Compiled by: M.J.			Kenora & Rainy River Districts, Ont		
Drawn by: R.T.M.					
REVISION	DATE	BY	LOCATION MAP		
DATE	FILE No.	PROJ. No.	SCALE	Dwg. No	Plate No
Mar. 94		222	1 : 200,000		


BROOKS LAKE G-2670
Dash Lake G 2671
Barton Claims
N
1202174
1214596
1161135
1161129
1161134
1161133
1161136
1202132
1202133
1161625
1161626
1216846
KENORA
RAINY
RIVER
Dash Lake
Phinney R.
400 m.
Helena
Lake
Corner L.
Bathune
OK

Sketch



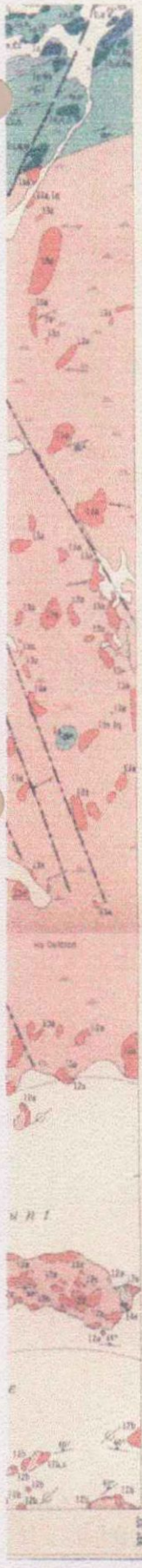
Ontario Geological Survey

Map 2430

BETHUNE LAKE

KENORA and RAINY RIVER DISTRICTS

Scale 1:31,680 or 1 Inch to ½ Mile



BRIAN (PROTEROZOIC)

MAFIC INTRUSIVE ROCKS

15 Diabase.

INTRUSIVE CONTACT

EARLY PRECAMBRIAN (ARCHEAN)

LATE MAFIC INTRUSIVE ROCKS

14 Undivided.
14a Amphibole-pyroxene lamprophyre.
14b Mica lamprophyre.
14c Mica-pyroxene lamprophyre.

INTRUSIVE CONTACT

FELSIC TO INTERMEDIATE PLUTONIC ROCKS[c]

RAINY LAKE BATHOLITH

Jackfish Lake Complex

13a Biotite-hornblende syenodiorite.
13b Pyroxene-hornblende syenodiorite.
13c Pyroxene syenodiorite, gabbro.
13d Aplite.
13e Pegmatite.

INTRUSIVE CONTACT

Gneiss, Migmatite

12a Stromatic gneisses of trondhjemitic and granodioritic composition.
12b Trondhjemitic, granodioritic rocks, migmatitic structures.
12c Amphibolite pods, agmatic structures.

SABASKONG BATHOLITH

11a Coarse-grained hornblende-biotite trondhjemite.
11b Hornblende diorite, gabbro.
11c Fine-grained equigranular, hornblende-biotite trondhjemite.
11d Syenite.
11e Felsite.
11f Quartz-feldspar porphyry.
11g Agmatic migmatite.

INTRAVOLCANIC PLUTONS

Silver Lake Intrusion

10a Agmatic migmatite.
10b Leucocratic biotite trondhjemite.
10c Quartz-sericite schist.

Dash Lake Stock

9a Hornblende trondhjemite.
9b Quartz-feldspar porphyry dikes.
9c Felsite.
9d Porphyritic (quartz) leucocratic trondhjemite.
9e Intrusive flow banded.
9f Chloritic fracture veins.
9g Pyritic.
9h Carbonatized.

Phinney-Dash Lake Complex

8a Quartz-feldspar porphyry.[d]
8b Feldspar porphyry.
8c Carbonate-sericite schist.
8d Carbonatized.

INTRUSIVE CONTACT

METAMORPHOSED MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS[c]

ULTRAMAFIC INTRUSIVE ROCKS

7a Pyroxenite.
7b Peridotite (in part dunite).
7c Talc-carbonate schist.
7d Talcose, carbonatized.
7e Serpentinized.
7f Silicified, carbonatized.

MAFIC INTRUSIVE ROCKS

6a Gabbro.
6b Leucocratic gabbro, diorite.
6c Amphibole gabbro.
6d Quartz-amphibole (magnetite) gabbro.
6e Ophitic gabbro.
6f Hybrid gabbro.
6g Flaser gabbro.
6h Fine-grained magnetite-leucoxene-bearing gabbro.
6i Diabasic gabbro.
6k Gabbro migmatite.[e]
6m Quartz-bearing.[f]
6n Porphyritic (plagioclase).
6p Carbonatized.
6q Chlorite schist.
6r Talcose, serpentinized.
6s Amphibolite.

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS[c]

CHEMICAL METASEDIMENTS

5a Chert, ferruginous chert.
5b Pyrite-limonite iron formation.
5c Cherty iron formation.
5d Hematite iron formation.

CLASTIC METASEDIMENTS

4a Feldspathic volcanic sandstone.
4b Banded, ferruginous, tuffaceous sediments.
4c Sericite schist.

FELSIC METAVOLCANICS

3a Flow.
3b Fragmental flow.
3c Tuff.
3d Lapilli-tuff.
3e Tuff-breccia.
3f Bedded tuff.
3g Sericite schist.
3h Flow banding.
3j Carbonatized.
3k Ferruginous (synvolcanic) breccia.

INTERMEDIATE METAVOLCANICS

2a Flow.
2b Tuff.
2c Lapilli-tuff.
2d Tuff-breccia.
2e Volcaniclastic conglomerate.
2f Schistose.

MAFIC METAVOLCANICS

1a Flow (unsubdivided).
1b Pillow flow.
1c Amygdaloidal flow.
1d Variolitic.
1e Massive flow.
1g Coarse-grained flow.[g]
1h Porphyritic flow (plagioclase).
1j Flow Breccia.
1k Pillow breccia.
1m Tuff.
1n Chlorite schist.
1p Hornblende-garnet, garnet-feldspar, feldspar and magnetite biotite schist, minor chert with migmatite and sulphide mineralization.
1q Amphibolite, garnetiferous amphibolite.
1r Carbonatized.
1s Magnetite bearing.[g]
1t Agmatic migmatite.
1u Stromatic migmatite.

---

asb Asbestos.
Au Gold.
carb Carbonate.
ch Chert.
Cu Copper.
gf Graphite.
mag Magnetite.
po Pyrrhotite.
py Pyrite.
q Quartz.
talc Talc.
Zn Zinc.

---

[a] Unconsolidated deposits. Cenozoic deposits are represented by the lighter coloured parts of the map.

[b] Bedrock geology. Outcrops and inferred extensions of each rock map-unit are shown respectively in deep and light tones of the same colour. Where in places a formation is too narrow to show colour and must be represented in black, a short black bar appears in the appropriate block.

[c] Rocks in these groups are subdivided lithologically; the order within a group does not imply age relationships.

[d] May be in part extrusive.

[e] Both subphases are gabbro or leucogabbro.

[f] Probably fine grained 6d.

[g] May be in part intrusive.

1.0 INTRODUCTION

The Phinney -Dash Lake property was staked by Bernard Barton in 1993
to cover ground thought prospective for base metal massive sulphide deposition.
The property was optioned to Phelps Dodge Canada in 1993.
Previous work by others, and P.D.C and by B Barton,show moderate cu. zn.enrichment.
And show that the possibilities of a massive sulphide deposit are encouraging
The property was returned to B . Barton in 1998
this is the 1999 work report
The claims were sampled in three different areas
three holes were diamond drilled
holes 1 and 2 were drilled in the nearest gossaned area on the shore
to test as near as possible an air borne electromagnetic conductor in the waters of
Phinney Lake a third hole was planned on the point of land northeast of the conductor
but as
As ice was forming on the lake this was postponed till after the ice is good or in the
spring when the ice is gone .
A third hole was drilled beside the road on claim 1161136 to test the rock type in a
swampy area
This report discusses with recommendations the diamond drilling program completed
on the property during Sept. Oct. 1999

LOCATION AND ACCESS

The claim group is located approximately 30 km east of Nestor Falls
The property lies proximal toPhinney -Dash Lakes at
latitude 49degrees 6 min north
longitude 93 degrees 37 min. west
on NTSmap sheet 53f/4

Access is { from Dryden Ont. highway 17 west 112 km.--highway 71 south --110 km--
Tri Lake rd.- 17km--Derby Lake rd 13 km.--Phinney Lake rd 10 km..]
aprox 262 km.

CLAIM STATUS

the property consists of 16 claims ==75 units recorded to B Barton
1214596-1150056--1161129--1161130--1161130--1161131--1161132--1166633-
1161134--1161135--1161136--1178183--1202132--1202133--11787733-1202174
1202175

HISTORY

No mines or significant prospects have been discovered in the
Phinney Dash Lake area.

PREVIOUS WORK

The previous work on and around the property can be summarized as follows

1966 INCO

Airborne electromagnetic survey, no record work in immediate area

1971-72 FREEPORT CANADIAN EXPLORATION COMPANY

Airborne electromagnetic and magnetic surveys,ground geophysical follow-up [mag.,EM Max-min]

five diamond drill holes on EM targets south west and east-south east of Phinney Lake . Geochemically anomalous Cu and Zn values[ie, up to 1800 ppmCu and 2500ppm Zn] were intersected in felsic pyroclastic rocks.

1975 ONTARIO GEOLOGICAL SURVEY

Geological mapping [1";1/4 mile] by G Edwards, Map no.2430, report 201 documented hydrothermal alteration assemblages [sericite,chloritoid] within felsic pyroclastic rocks

1984 LLOYDEX RESOURCES

Prospecting and trenching near southwest end of Phinney Lake located gossaned material hosting 5%-10%pyrite 5% pyrrhotite, 1% chalcopyrite and 1% sphalerite hosted by silicified rhyolite

1993--1998 PHELPS DODGE CANADA

Airborne geophysical survey
ground geophysical surveys
geological mapping and sample assaying
IP surveys and diamond drilling 3 holes
[core stored at B Barton residence]

results hole # 1 best assay 1470 ppm cu and 115 ppm zn over 1.5 ft. in a mineralized zone 8 ft.

hole # 2 and 3 intersected 60 meters semi massive to massive pyrite with no anomalous mineral values but it does indicate that volcanogenic hydrothermal system was active in the area and more work should be done

REGIONAL GEOLOGICAL SETTING

The Phinney Dash Lake are is underlain by Archean supra crustal rocks of the western Wabigoon Subprovince. Edwards [1980] states that the rocks comprise a sequence of mafic and lesser felsic metavolcanic rocks, and complexly interbedded clastic and chemical metasedimentary rocks which are folded into a broad northeast-trending anticline.The Phinney-Dash Lake complex, a synvolcanic quartz-feldspar porphyry intrusion and related extrusive and exhaltive rocks, occupies the axial zone of the northeastern potion of this anticline and fed the felsic volcanism that immeadiately overlies it to the east and south.

Metamorphic grade in the area is middle greenshist facies

ROCK TYPES [intersected in drill core]

Felsic volcanic rocks intersected during drilling comprise of Lapilli tuff in hole #3 greenish gray in color at the start of the hole and graduating to gray at the end of the hole the rock is fine grained with small light green and dark fragments fine grained pyrite is present throughtout.

Holes #2and3 are mainly quartz feldspar porphyry
gray green in color fine grained with disseminated to massive disseminated pyrite and some quartz breccia

MINERALIZATION

Hole #1 fine disseminated pyrite is the most common mineralization scattered throughout the core the full deptf of the hole in quantitys of 1% to 5% with bands of 10% to 20% on fracture planes a few minor specks of chalcopyrite,and sphalerite are visible

best assay is #0812 2921 ppm zn
from 12to18 feet

HOLE#2 fine disseminated pyrite is the most common mineralization and is scattered throughout the core fulldepth of the hole in quantitys of 1% to 20%
with 20% to 80% in small pyrite bands on fracture planes
with 80% pyrite at 37.5 to 38.2 feet
best assay#0822 at36 to 39.5 feet=2.43%Zn 346 ppb Au

HOLE #3 The only visible mineralization is fine pyrite[1%to5%] scattered throughout the complete core with many small blebs [1/2 inch] 30%py. at 30 to 50 feet
making this aprox 10%
best assays
0717 25 ppb au
07178 87 ppm zn
all the core was split and assayed 27 drill core samples
and 3 grab samples

CURRENT WORK PROGRAM

1 day was spent May 10 /1999 sampleing to deceide were to drill
and samples #0808 0809
indicated that the gossaned area on the
claim line between claims 1161131 and 1161132 with grab sample results
0808-------cu 211----zn-8776 ppm
0809 cu--136---zn 4284 ppm
was the best mineralized zone on the shore close to the airborne survey conductor
in the lake [10380B] located by Phelps Dodge in 1993
A diamond drill program was started on Sept 1 1999-to Sept-20 1999
with a pacsack diamond drill hole # 1 ==24.5 feet and
hole # 2 ------71.5 feet the total core was logged split and sent for assaying
to Accurassay lab in Thunder Bay Ont.
The results were encouraging and a third hole was planned but as it was
inclement weather and late in the fall with ice forming on the lake this was postponed
till later in the winter when the ice was good or in the spring the ice is gone
A third hole was then drilled from Oct. 26 --to Oct 31 1999 in a convient place at the
edge of the road in a large swampy area south of Phinney lake on claim 1161136 to test
the rock type the core was logged ,split, and sent for assay to Accurassay in Thunder Bay
on Nov. 7 1999
The core is stored at the residence of Bernard Barton -204 Stenberg Rd. Eton twp Ont.
Details of drilling results, assays, locations of holes ,rock types, and recommendations
and conclusions are included with this report in the following pages.

CONCLUSIONS AND RECOMENDATIONS

Diamond drill hole #1 and2 indicate that the area is mineralized with anomalous zinc and the only assay run for gold is also anomalous

The rock dips toward the conductor [10380B]

As the conductor is in the lake and the nearest shore is 100 feet from the conductor the best I can do is to either drill the unmineralized shore or set up directly over the conductor on the ice

The drill used for these three holes is a JK4S hand held drill and the drilling depth is probably limited to between 70 to 100 feet

assay# 0822 from 36 to 39.5 feet ran at 2.43% Zn and 330 ppb Au and is diping towards conductor target 10380B at 50 degrees.

It is my conclusion that this area should be more thoroughly investigated

REFERENCES

Inco 1996 Airborne electromagnetic survey no record of work in imeadiate area
Kenora MNDM assessment files
Freeport Canadian Exploration 1971-72 Airborne electromagnetic survey and magnetic ground geophysical follow up ,5 diamond drill holes .anomalous Cu Zn values
[ie 1800ppm Cu and 2500ppm Zn]
were intersected in felsic pyroclastic rock.
Kenora MNDM assessment files
Ontario Geological Survey Edwards G R 1980 Geology of the Shistoes Lake Area report 194 O G S
Hodder R W 1981 Evolution of an Archean Felsic Volcanic-Plutonic Complex 5396 OGS
Ontario Geological survey Edwards G R 1983 Geology of the Bethune Lake Area report 201 OGS Phelps Dodge
Nelson LJ 1984 report of the geology of the Lloydex Resources Inc. Phinney Lake Property Kenora MNDM assessment files
Phelps Dodge Canada 1993 --1998 Airborne electromagnetic ground Em TEM IP and geological survey an mapping ; 3 diamond drill holes
[minor Cu Zn values large pyrite zone]
Kenora MNDM assessment files

by Bernard Barton
prospector lic. # s6004

DD1 | DD1

(12)

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° 1 — Page No. / Page n° 1 of 2

Drilling Company / Compagnie de forage	Bernard Barton
Collar Elevation / Elévation du collier	
Bearing of hole from true North/Position du forage par rapport au nord vrai	140°
Total Footage / Avancement total du forage	25
Dip of Hole at / Inclinaison du forage au — Collar/collier	50°
Address/Location where core stored / Adresse/endroit où la carotte est stockée	N½ Lot 5 Con 6 Eton. Twp at B. Barton Res 204 Stenberg Rd
Map Reference No. / N° de référence sur la carte	
Claim No. / N° de concession minière	1161132
Date Hole Started / Date de commencement du forage	Sept 2/99
Date Completed / Date d'achèvement	Sept 11/99
Date Logged / Date d'inscription au journal	Sept/24/99
Logged by / Inscrit par	Bernard Barton
Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude)	Dash Lake area. 2671
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option	Bernard Barton
Date submitted / Date du dépôt	Sept 27.
Submitted by (Signature) / Déposé par (signature)	Bernard Barton
Property Name / Nom de la propriété	Phinney Lake.

Footage/Avancement From/De	To/A	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/A	Sample Length / Longueur de l'échantillon	Assays†/Analyses minéralogiques ZN	Cu	Au
0	3.2	QFP	BRECIATTED, QUARTZ FLOODED, MAFIC FINE GRAINED	50°		0810	0	50	5	594		
			(MINOR 1CM QTZ VEIN (BARRE PY), CREAM WHITE COLOUR)									
			PY VARY 1-10%, ALONG FRACTURE PLANE (VEINLETS) & DISSEMINATED									
			PY FINE GRAINED, ALONG FRACTURE SURFACE RED RUSTY (HEMATITE STAINING)									
3.2	18.2	QFP	FINE GRAINED, GREY, FRAGMENT SIZE SMALL WITH INTERMITTED									
			COARSE ZONES OVERALL PY FINE GRAINED, LOCATED IN			0811	50	12	7	631		
			VEINLETS ALONG FRACTURES & DISSEMINATED 1-3%									
			4-4.75 ZONE QTZ FLOODING } PY FINE, 1%									
			8-8.75 " " " } DISSEMINATED									
			13.5-14.2 " " "									
			9' 2" FRAGMENTED QTZ VEIN									
			ZEOLITHS OF WALL ROCK									
			QTZ VEIN CREAM WHITE									
			RUSTING AT CONTACT TO QFP	50°								
			RUSTING WITHIN QTZ VEIN									
			1% DISSEMINATED PY									

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre

0204 (03/91)

LOG CORE
- ROCK TYPE
  - GRAIN SIZE
  - COLOUR
  -
- MINERALIZATION TYPE

DD1 | DD1

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° 1 — Page No. / Page n° 2 of 2 (13)

Drilling Company / Compagnie de forage	Bernard Barton
Collar Elevation / Elévation du collier	
Bearing of hole from true North/Position du forage par rapport au nord vrai	140°
Total Footage / Avancement total du forage	25
Dip of Hole at / Inclinaison du forage au	Collar/collier 1/50 °
Address/Location where core stored / Adresse/endroit où la carotte est stockée	N½ Lot 5 Con 6 Eton at B. Barton Res 204 Stenberg RD
Map Reference No. / N° de référence sur la carte	62671
Claim No. / N° de concession minière	1161132
Date Hole Started / Date de commencement du forage	Sept 2/99
Date Completed / Date d'achèvement	Sept 11/99
Date Logged / Date d'inscription au journal	Sept 24/99
Logged by / Inscrit par	B. Barton
Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude)	Dash Lake AREA
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option	Bernard Barton.
Date submitted / Date de dépôt	Sept 27/99
Submitted by (Signature) / Déposé par (signature)	Bernard Barton
Property Name / Nom de la propriété	Phinney Lake

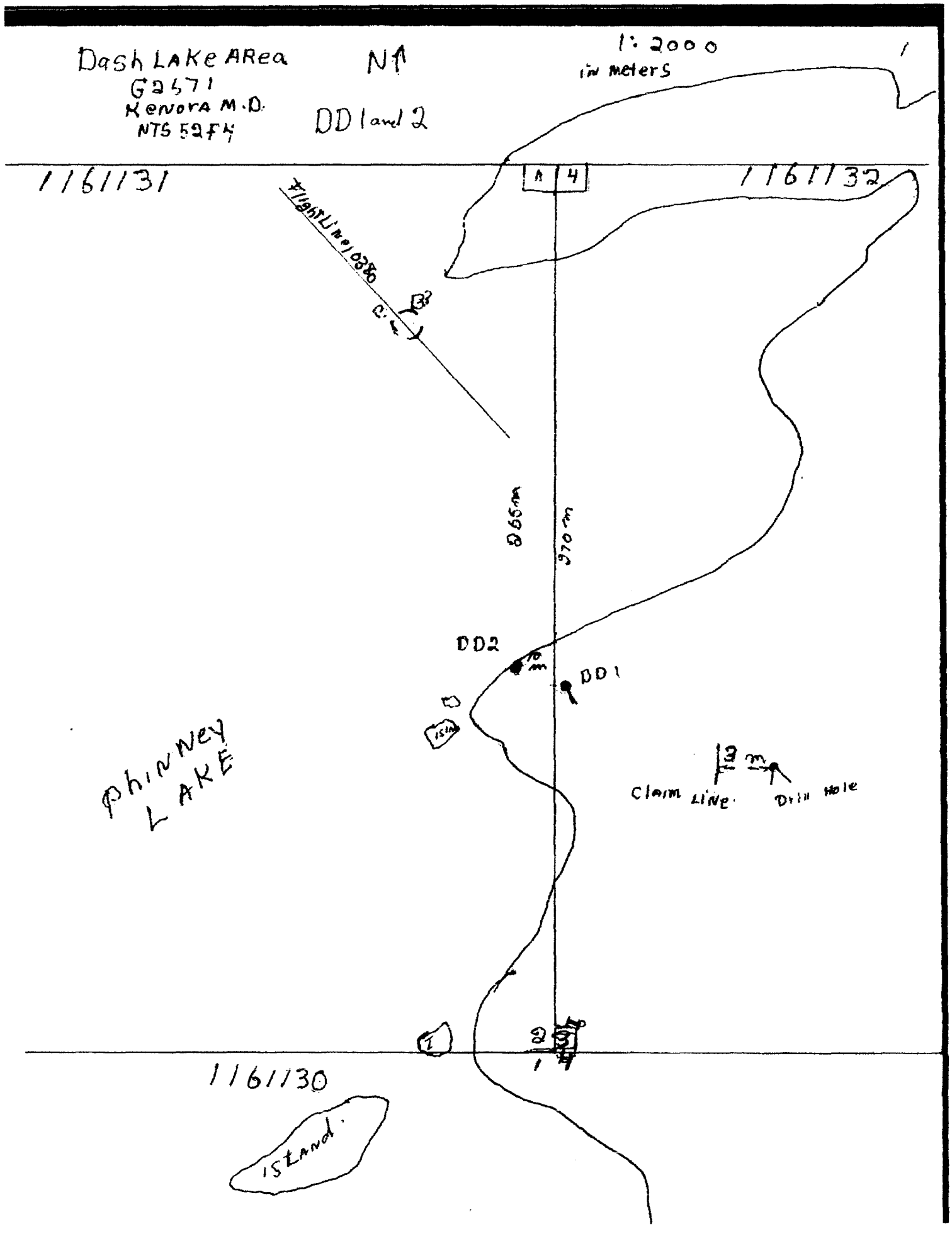
Footage/Avancement From/De	To/À	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/À	Sample Length / Longueur de l'échantillon	Assays†/Analyses minéralurgiques ZN ppm	CU ppm
			11.1 1" WHITE QTZ VEIN								
			SMALL WALLROCK FRAGMENTS								
						0812	12	18	6	2921	
			13.4 1" WHITE QTZ VEIN ~~at 140° TCA~~	50°							
			NO SULPHIDE, MINOR FRAGMENTS								
			16.1-17 BRECCIATED QTZ VEIN								
			WALL ROCK FRAGMENTS								
			WHITE								
			17.5-18.2 QFP FINE BLACK								
			20% MED GRAINED PY								
			VISABLE CUBIC CRYSTALS								
			RUSTING FROM PY VISABLE ALONG FRACTURE + THROUGHOUT	50°							
			½ pegrite at 140° TCA			0813	18 -	24.2	6.2	62	
18.2	24.5	CON QFP	LIGHT GREY IN COLOUR (FROM INCREASE IN QTZ)								
			FRAGMENTS ARE ALMOST ABSENTS - TO SMALL ZONES		ACC.	0814	0 -	24.5	25.5	792	106
END of Hole			OF MED GRAINED FRAGMENTS								
			PY FINE GRAINED, VARINGS 1-4%, RUSTING ALONG FRACTURES								
			PY DISSEMINATED AND LESS VEINLETS								

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

04 (03/91)

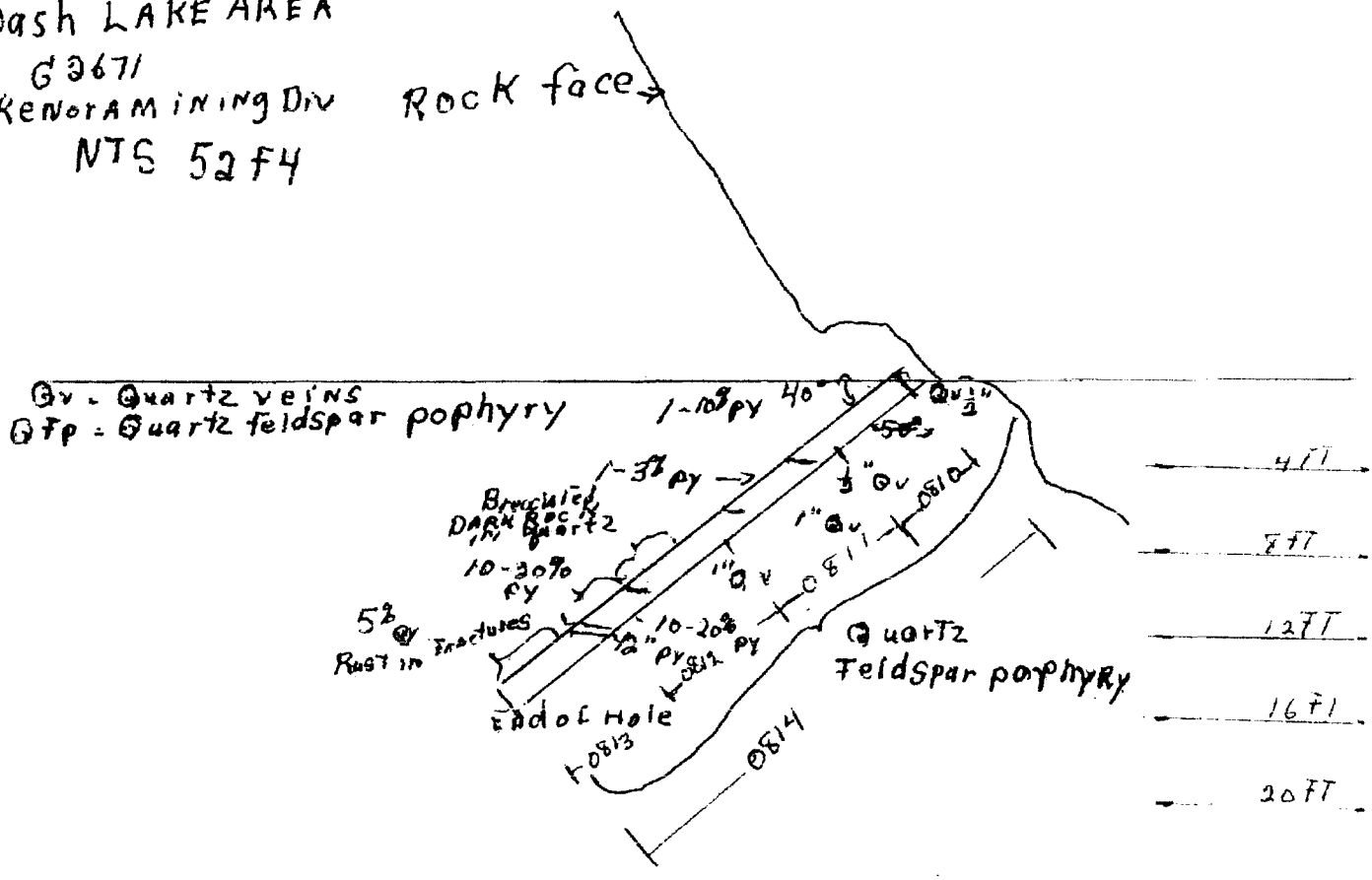
DD1 2 | DD1 2

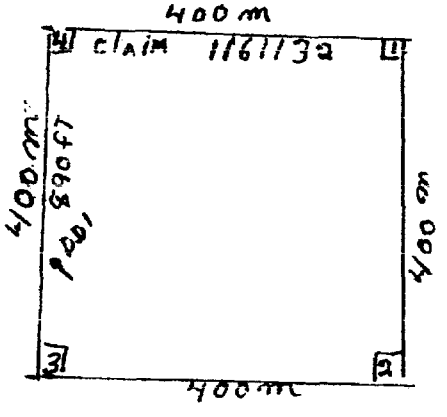

Dash LAKe ARea
G2571
Kenora M.D.
NTS 52F4
N↑
DD 1 and 2
1:2000
in meters
1
1161131
1161132
1161130
A
4
Flight Line 0380
265m
270m
DD2
DD1
Phinney LAKE
3 m
Claim Line
Drill Hole
Island
1
2
3
4

DD 1

Claim 1161132
Dash LAKE AREA
G 3671
KENORA MINING DIV
NTS 52 F4

Note 1" = 8 ft.
DIAMETER of Hole Not to Scale





1:7920

DD2 | 1 | 16

Ontario Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° 9 — Page No. / Page n° 1 of 3

Drilling Company / Compagnie de forage	Bernard Barton
Collar Elevation / Elévation du collier	
Bearing of hole from true North/Position du forage par rapport au nord vrai	0
Total Footage / Avancement total du forage	71.5
Dip of Hole at / Inclinaison du forage au — Collar/collier	90
Address/Location where core stored / Adresse/endroit où la carotte est stockée	N½ Lot 5 Con 6 Eton Twp. at B. Barton Res. 204 Stenberg RD
Map Reference No. / N° de référence sur la carte	G 2671
Claim No. / N° de concession minière	1161131
Date Hole Started / Date de commencement du forage	Sept 15
Date Completed / Date d'achèvement	Sept 20/99
Date Logged / Date d'inscription au journal	Sept 27
Logged by / Inscrit par	B. Barton
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option	Bernard Barton
Date submitted / Date de dépôt	Sept 27/99
Submitted by (Signature) / Déposé par (signature)	Bernard Barton
Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude)	Dash Lake Area.
Property Name / Nom de la propriété	Phinney Lake.

Footage/Avancement From/De	To/À	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/À	Sample Length / Longueur de l'échantillon	Assays† / Analyses minéralurgiques ppm ZN	Cu	PPB Au
0	2.5 ft	overburden	Broken Boulders gravle							ppm	ppm	
2.5	13.4	QFp.	Grey Fine grained small fragments 0-5% py			0815	0	6	6	1856		
			Fine py in Factures QTZ breccia at 8.8 to 10 ft.									
			and 13 to 13.6 Fine py in Veinlets	30°		0816	6	13.4	7.4	1105		
			Rusted at 13.6.									
13.6	15	QFP	Grey Fine Grained. 0-1% py small displaced									
7	7	QFP	QTZ veinlets small bleb py 5%. (Larger QTZ Fragments									
15.	18.4					0817	13.4	18	4.6	485		
18.4	30.3	QFp.	grey Fine. Small py veinlets ⅛" 10% py 20-20.6	50°		0818	18	24	6.0	891		
			⅛" py veins at 28-6 to 29.6 py appear to displaced			0819	24	30.3	6.3	758		
			From itself by dark Rock		acc.	(0820	0	30.3	30.3)	1030	98	
30.3	51.7	QFp.	Grey Fine grained 0-5% py									
			Small py Filled Fractures Throughout at Random Contacts			0821	30.3	36	5.7	1387		
			½" py vein at 34.10	50		0822	36	39.5	3.5	10,000		346
			Milky QTZ at 36.3 To 37.5 brecciated with Dark Rock	30		(0823	30.3	39.5	9.2)	8418	274	
			Fragments	Hashi Moto -		0823	43					
			py zone at 37.5-38.2 80%	30								
			qv at 38.2-38.6. 2" py vein. at 38.6. py not into	50	(Reassy	822.	2.4	3% ZN				
			quartz (quart Barren).									

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

34 (03/91)

DD2 | DD2
1 | 1

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

2 1 2

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° **2**

Page No. / Page n° **2 of 3**

Drilling Company / Compagnie de forage: Bernard Barton	Collar Elevation / Élévation du collier	Bearing of hole from true North/Position du forage par rapport au nord vrai	Total Footage / Avancement total du forage: 71.5	Dip of Hole at / Inclinaison du forage au: Collar/collier 90 vertical. °	Address/Location where core stored / Adresse/endroit où la carotte est stockée: N ½ Lots 5 con 6 Eton Twp at B Barton Res 204 Stenberg Rd.	Map Reference No. / N° de référence sur la carte: G2671	Claim No. / N° de concession minière: 1161131
Date Hole Started / Date de commencement du forage: Sept 15	Date Completed / Date d'achèvement: Sept. 20/99						
Date Logged / Date d'inscription au journal: Sept 27/99	Logged by / Inscrit par: B. Barton.					Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): Bash Lake Area	
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: Bernard Barton.	Date submitted / Date de dépôt: Sept. 27/99	Submitted by (Signature) / Déposé par (signature): Bernard Barton				Property Name / Nom de la propriété: Phinney Lake	

Footage/Avancement From/De	To/À	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Primary Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage † / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/À	Sample Length / Longueur de l'échantillon	Assays†/Analyses minéralurgiques ppm Zn	Cu
39.5	51.7	QFP.	fine Grained. 5% py ½ band py 41.6 43-47 10% py	80°	*	0824	39.5	46.3	6.8	3676	
						0825	46.3	51.75	5.45	5644	
			3" qtz at 48	30°							
			1" Qtz at 48.8	70°							
			20% fine grained py 48.8 49								
			¼" Qtz down center of core from 49-49.10								
			seperated from massive py by dark rock.								
			10% py from 49.10 - 51.7 and quartz flooded		ACC	0808	39.5	51.75	12.25	16384	42
			QFP.								

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

DD2 2 | DD2 2

3/3

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° 2 — Page No. / Page n° 18 (3 of 3)

Drilling Company / Compagnie de forage	Bernard Barton
Collar Elevation / Elévation du collier	
Bearing of hole from true North/Position du forage par rapport au nord vrai	
Total Footage / Avancement total du forage	71.5
Dip of Hole at / Inclinaison du forage au	Collar/collier 90° vertical. Ft/Pi
Address/Location where core stored / Adresse/endroit où la carotte est stockée	N½ Lot 5 Con 6 Eton Twp. at B Barton. Res 204 Stenberg Rd.
Map Reference No. / N° de référence sur la carte	G2671
Claim No. / N° de concession minière	
Date Hole Started / Date de commencement du forage	Sept 15
Date Completed / Date d'achèvement	Sept 20/99
Date Logged / Date d'inscription au journal	Sept. 27/99
Logged by / Inscrit par	Bernard Barton.
Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude)	Dash Lake Area.
Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option	Bernard Barton.
Date submitted / Date de dépôt	Sept 27/99
Submitted by (Signature) / Déposé par (signature)	Bernard Barton
Property Name / Nom de la propriété	Phinney Lake.

Footage/Avancement From/De	To/À	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/À	Sample Length / Longueur de l'échantillon	Assays†/Analyses minéralurgiques ppm ZN	Cu	ppb AU
51.75	61	QFp.	Grey finegrained 0-5% py. Numerous quartz veinlets			0709	51.7	54	2.3	762		
			1/16" barren of Sulfieds from 51.75 to 54	50°								
			2" Qv at 54	80		0710	54	61	7	2127		
			Qv at 54.6-55	70								
			20% py at 54.9-56.2 . 2" Qvein at 56.3 brecciated.	70								
			½" py vein at 57.1	90								
			½ py at 58.3 1" QTZ at 58.4									
			1 inch QTZ at 59 (barren of sulfieds)	90								
			Quartz vein 60.3-60.9 (Barren of Sulfieds)									
61	68	QFp.	Grey finegrained Lighter in color due to quartz flooding									
			Numerous py veinlets 60.9-64.6 contact varies.			0711	61	68	7	365		
			64.6-68 Lighter colored Rock with Green-black		Acc	0712	51.7	68	16.3	726	137	
			veinlets at Random contacts			0713	68	71.5	3.5	87	36	
68.	71.5	QFp.	Gray Green due to extra quartz flooding? 5% py									
			Numerous Dark (Black to Green.) veinlets 1/16" at Random									
			(Mesurement. 2 to 4 inches.) Random contacts	60°-80°								
			Fine py. (2 small Red speck in end of									
			core at 71.5 unidentified)									
	71.5	End of Hole.										

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

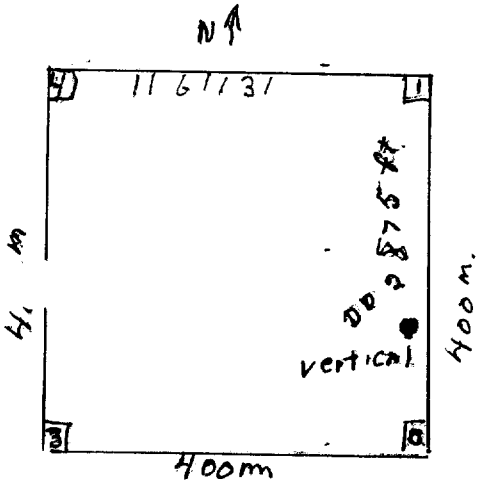
14 (03/91)

DD2 3 | DD2 3

DD2
Claim 1161131
Dash Lake Area 62671
Ken. mining div
NTS 52F4

1 inch = 8 ft
Note Diameter of Hole not To Scale

Qv = Quartz vein
QFp = Quartz Feldspar porphyry
py. pyrite



0815
Sample No

			Casing in Boulders - silt
	0815		5% py
9 FT			QFP Breccias in Qv
	0814		
0880			
16 FT	0817		Rust in fractures
	0818		Numerous py. veinlets ½"
24 FT			
	0819		
32 ft	0821	0830	½" py
Quartz Feldspar porphyry			Milky quartz brecciated w. Dark fragments of QFP
	0822		80% py
40 ft			py
	0824		
3070			
48 ft	0825		Qv
			20% py
	0809		20% py
			10% py
			2" Qv
56 ft			py
	0710		½" Qv
			Quartz flooded QFP
2710			Dark veinlets Fine py
64 ft	0711		
	0713		
72 ft			End of Hole

(20)

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

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Fill in on every page / Remplir ces cases à chaque page ⇒

Hole No. / Forage n° 3 — Page n° / Page n° 1 of 2

Drilling Company / Compagnie de forage: Bernard Barton

Collar Elevation / Elévation du collier:

Bearing of hole from true North/Position du forage par rapport au nord vrai:

Total Footage / Avancement total du forage: 80

Dip of Hole at / Inclinaison du forage au: Collar/collier 90°; FL/Pi; FL/Pi; FL/Pi; FL/Pi; FL/Pi

Address/Location where core stored / Adresse/endroit où la carotte est stockée: N½ Lot 5 Ext on Con 6. at B Barton Res. 204 Stenberg rd.

Map Reference No. / N° de référence sur la carte: G2671

Claim No. / N° de concession minière: 1166135

Date Hole Started / Date de commencement du forage: oct 27/99

Date Completed / Date d'achèvement: oct 31/99

Date Logged / Date d'inscription au journal: NOV 7/99

Logged by / Inscrit par: B. Barton

Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): Dash Lake area G2671

Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: Bernard Barton

Date submitted / Date de dépôt: NOV 7/99

Submitted by (Signature) / Déposé par (signature): Bernard Barton

Property Name / Nom de la propriété: Phinney Lake

Footage/Avancement From/De	To/À	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Plane Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur des carottes prélevées	Vein Sample No. / N° d'échantillon de prospecteur	Sample Footage (Rocks/Mineralogy) From/De	To/À	Sample Length / Longueur de l'échantillon	Assays/Analyses minéralurgiques
0	14	casing	silt, boulders, gravle.							
14	80	Felsic Tuff	Fine grained sericitized Felsic Tuff, Light Grey-Green with Light geen almost Translucent 1/16" inch Fragments ½ to 1% fine py. graduateing To Fine Grained Sericitized Felsic Tuff grey with Darker opaque 1/16 green Fragments and Light colored Fragment Througt ½ to 1% fine py. Fractures at 14' ft to 20ft extremely weatherd (some disinirgrate)	30° TCA						
14	20	Felsic Tuff	Grey Geen- with Light Geen and white Fragments. Fine grained groundmass ½-1% fine py. Fract.	30° TCA		0714	14	32	18'	
20	40	Felsic Tuff	Fine grained Sericitizeg Light Grey Green with Light and Light green 1/16" fragments ½ to 1% fine py slightly foiliated. with small bleby py in Light Fragments Fracture at	30° TCA		0715	33	54	21'	
40	65	Felsic Tuff	Fine grained sericitized Grey Green Tuff. Small blebs of py in ⅛" Light colored Fragments as well as ½ to 1% fine py Throught.			0716	54	69	15	

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

0204 (03/91)

Ontario — Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page Remplir ces cases à chaque page ⇒

Hole No. Forage n° 3 | Page No. Page n° 2 of 2 (21)

Drilling Company / Compagnie de forage: BERNARD BARTON

Collar Elevation / Élévation du collier:

Bearing of hole from true North/Position du forage par rapport au nord vrai:

Total Footage / Avancement total du forage: 80

Dip of Hole at / Inclinaison du forage au: Collar/collier 90°; Ft/Pi; Ft/Pi; Ft/Pi; Ft/Pi

Address/Location where core stored / Adresse/endroit où la carotte est stockée: N½ Lot 5 con 6 Eton. at B. BARTON Res. 204 Stenberg rd.

Map Reference No. / N° de référence sur la carte: G2671

Claim No. / N° de concession minière: 1161136

Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): Dash Lake Area G2671

Date Hole Started / Date de commencement du forage: oct 27/99

Date Completed / Date d'achèvement: oct 31/99

Date Logged / Date d'inscription au journal: NOV 7/99

Logged by / Inscrit par: B Barton

Date submitted / Date de dépôt: NOV 7.99

Submitted by (Signature) / Déposé par (signature): B Barton

Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: BERNARD BARTON

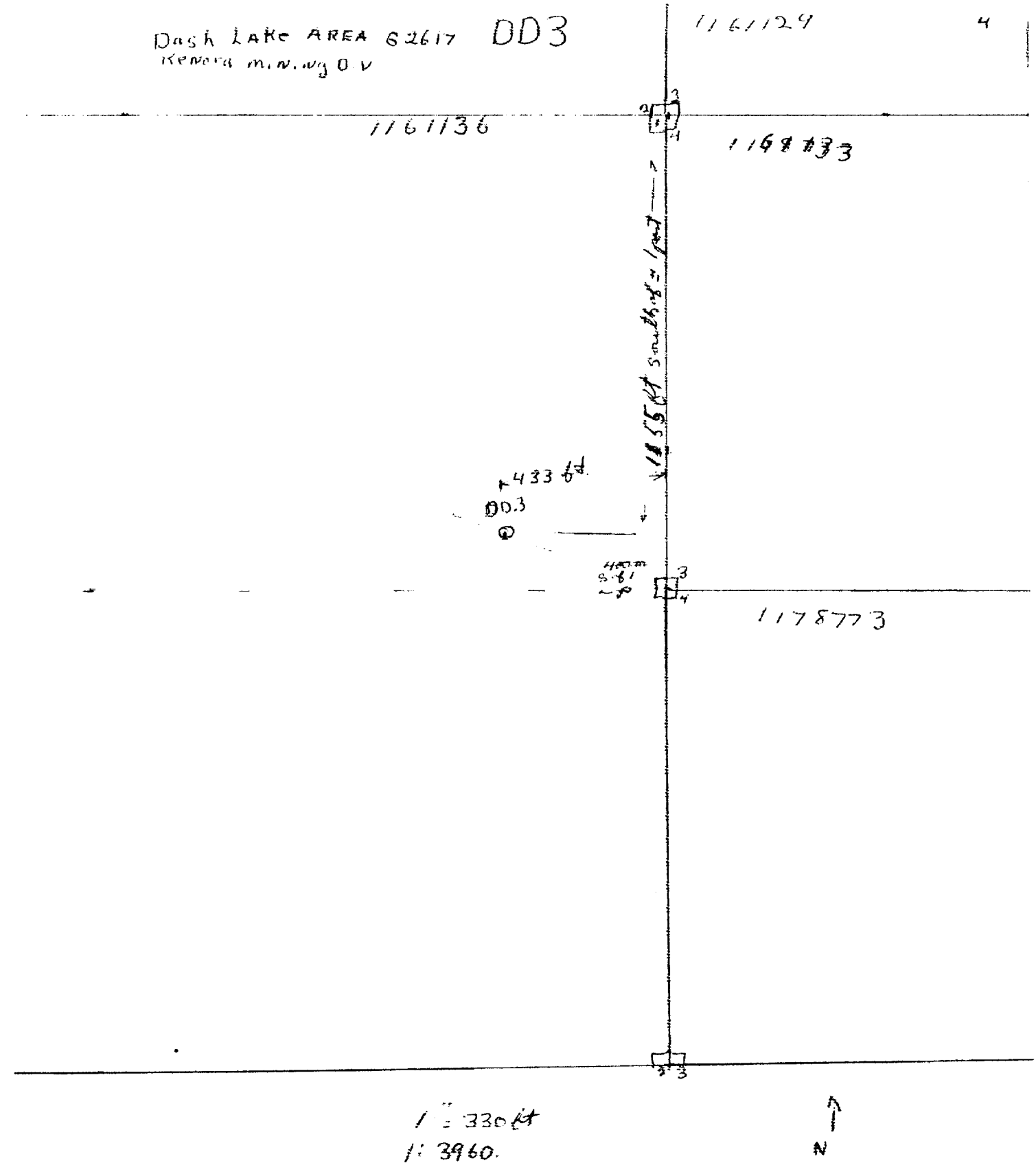
Property Name / Nom de la propriété: Whitney Lake

Footage/Avancement From/De	To/A	Rock type / Type de roche	Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.)	Planar Feature Angle* / Angle des caractéristiques planes	Core Specimen Footage† / Longueur en pieds des carottes prélevées	Your Sample No. / N° d'échantillon du prospecteur	Sample Footage / Niveau de prélèvement de l'échantillon (en pieds) From/De	To/A	Sample Length / Longueur de l'échantillon	Assays†/Analyses minéralurgiques
			2" quartz vein with fragment of dark rock							
			at 41' no py in quartz Contat TCA	90						
			41 TO 45 Fine grained Tuff ½ to 1% py							
			45 ½" qv contacts at no py	30						
			53 ft. ¼" qv " "	90						
53	TO 65	Felsic Tuff.	Fine grained. grey small fragments 1% py.							
65	TO 69	" "	Fine grained. grey small fragment (dark Green)							
			0-1% py (5) small veinlets mafic Rocks	40						
69	72	Felsic Tuff.	Foiliated, sericitized, grey 2-5% py fine	40						
			1% (black clorite ?) at 71 to 72 10% fine py	40		0717	70	72	2	
72	80	Felsic Tuff.	Fine grained dark grey Less than 1% py			0718	72	80	7	
80 End of Hole										

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

†Additional credit available. See Assessment Work Regulation.
†Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

0204 (03/91)

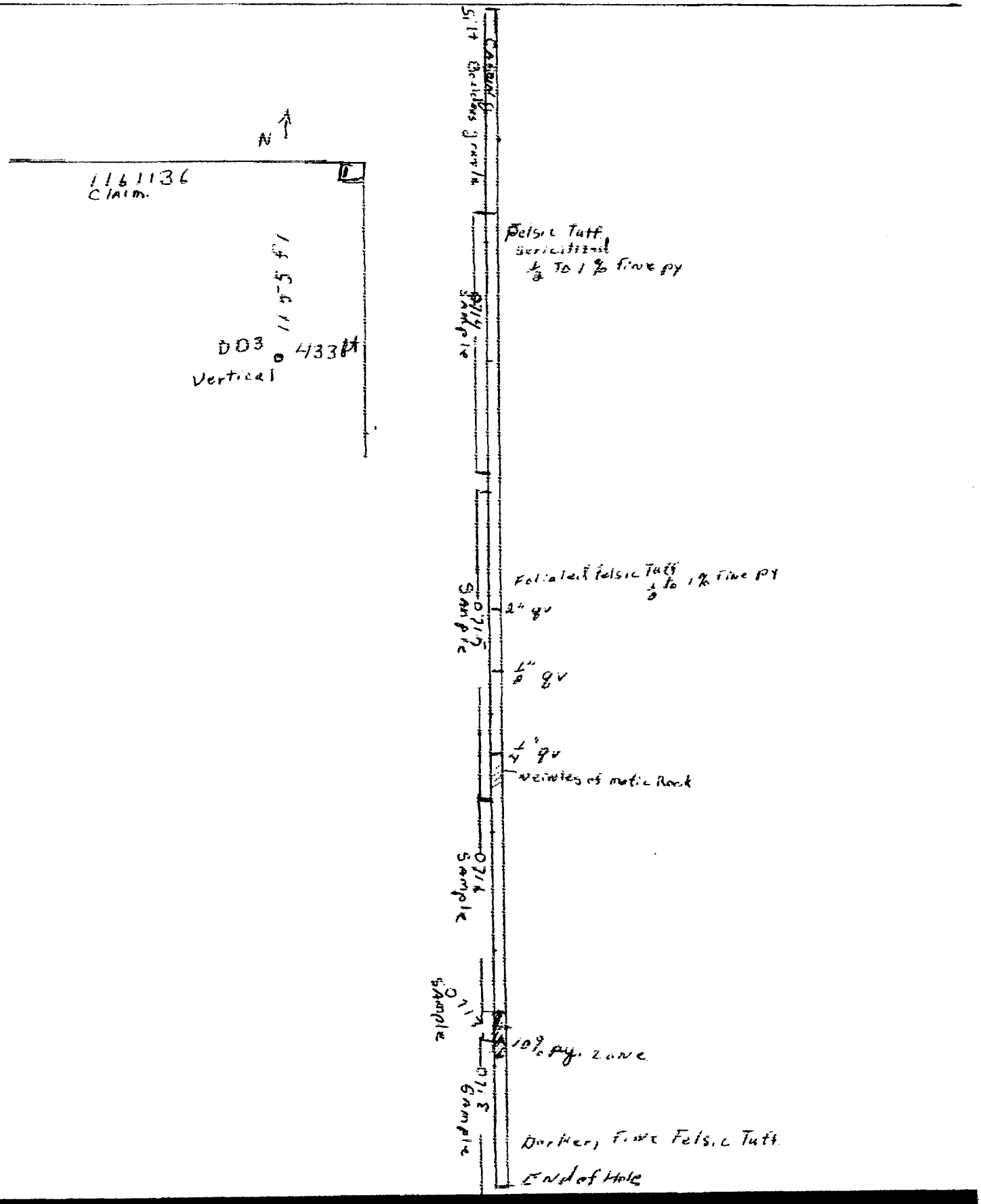

Dash Lake AREA 62617 DD3
Kenora mining D.V
1161129
4
1161136
1168133
1155 ft south of 1 post
433 ft
DD3
400 m
1178773
1" = 330 ft
1: 3960.
N

DD 3

Sample Nos 0314-0315

$\frac{1}{2}$" = 1 ft.

Diameter not to Scale



DESCRIPTION OF SAMPLES
GRAB SAMPLES
Claim 1161133

sample #	[from	to in feet]	description	Cu ppm	Zn ppm	Au ppb
0807			white quartz quartz feldspar pophyry slightly gossanend 2% fine py			au <5
			claim 1161132			
0808			quartz feldspar pophyry white bloom rusty 10% py	cu 211	zn 8776	
0809			quartz feldspar pophyry rusted weathered 5%to 15% py	cu 136	zn 4287	
			DIAMOND DRILL HOLE # 1			
0810	0	5	quartz feldspar pophyry rust in fractures 2% fine py		zn 594	
0811	5	12	quartz feldspar pophyry rust in fractures1% to 5% py speck black sphalerite		zn 631	
0812	12	to 18	quartz feldspar pophyry %5 fine py blebs 1/16 inch py cubes 1 1/2 inch qv		zn 2921	
0813	18	to 24.2	quartz feldspar pophyry dark coloered with 1% to 5% very fine py		zn 612	
0814	**0**	**to 24.2**	**chips of total core sample hole #1**	**cu 106**	**zn 792**	

DESCRIPTION OF SAMPLES

DIAMOND DRILL HOLE #2

sample# [from to in feet] description Cu ppm Zn ppm Au ppb

0815 0 to 6 quartz feldspar pophyry grey in color rust in fractures 1% to5% fine py zn 1856

0816 6 to 13.7 quartz feldspar pophyry gray in color 0 to 5% fine py 10% py in fractures quartz breccia at8.8 to 10 feet rusted at 13.6 feet zn 1105

0817 13.7 to 18 quartz feldspar pophyry darker gray than prev rock 7% cubic py minor rusty areas zn 485

0818 18 to 24 quartz feldspar pophyry light gray 1/8 inch py veinlets py areas appear to be filled with dark rock may be sphalerite+10% py zn 891

0819 24 to 30.3 quartz feldspar pophyry dark gray fine py 7% 1/2 inch band py 40%at 29 feet zn 758

0820 0 to 30.3 chips of core accumulated over 30.3 feet cu 98 zn 1030

0821 30.3 to 36 quartz feldspar pophyry dark gray small py filled fractures throughout minor rust in fractures zn 1378

0822 36 to 39.5 quartz feldspar pophyry 40% to 80% py 1/2 inch quartz vein no py **zn 2.43% au 330 ppb**

0823 30.3 to 39.5 chips of core accumulated over 9.2 feet cu 274 zn 8418

0824 39.5 to 46.3 quartz feldspar pophyry dark 10% to 15 % py zn 3676

0825 46.3 to 51 .7 quartz feldspar pophyry gray green 10% py 3 inch qv at 48 feet no py 1 inch qv at 48.8 no py 20% fine grained py from 48.8 to 49 1/4 inch qv down center of core from 49 to 49.10 feet zn 5644

0708 39.5 to 51.7 chips of core accumulated over12.2 feet cu 42 zn 6384

0709 57.7 to 54 quartz feldspar pophyry fine grained gray 1% fine py zn 762

0710 54 to 61 quartz feldspar pophyry dark 0% to 10 % fine py zn 2172

0711 61 to 68 quartz feldspar pophyry gray green 1% py zn 365

0712 51.7 to 68 sample of core accumulated over 16.3 feet cu 137 zn 726

0713 68 to 71.5 quartz feldspar pophyry gray green with darks veinlets 5% py cu 36 zn 87

DESCRIPTION OF SAMPLES
DIAMOND DRILL HOLE #3

0714 14 32 lapilli tuff greenish gray with darker green fragments 1/16 inch fine py 1% cu 20 zn 65 au <5

0715 32 to 54 lapilli tuff geenish gray with light green fragments 1/16 inch some streaks dark rock very fine py 1% cu 24 zn 71 au .5

0716 54 to 69 lapilli tuff light greenish gray light green fragments 1/16 inch very fine py sericite waxy apearance on broken end cu 25 zn 55 au 7

0717 69 to 72 lapilli tuff med geen gray waxy appearence on broken ends 10% py some black specks cloritoid ? cu 47 zn 41 au25

0718 72 to 80 lapilli tuff dark green gray 5% py some sericite cu 21 zn 87 au <5

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

June 14, 1999

Job# 9940523

SAMPLE # Accurassay	Customer	Gold ppb	Gold Oz/t
1	807	<5	<0.001
2 Check	807	<5	<0.001

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
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Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

June 14, 1999

Job# 9940523

SAMPLE # Accurassay	Customer	Copper ppm	Zinc ppm
1	808	211	8776
2	809	136	4284

Certified By

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.
1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Bernard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

July 1, 1999

Job #9940523

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %
809	3.5	2.42	34	8	20	0.3	<3	1.65	24.0	21	77	189	9.33	0.08	1	2.41

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
809	2010	9	0.03	49	1019	53	3.15	22	<5	0.07	<5	15	<.01	82	<2	5031

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

October 12, 1999

Job# 9941018

SAMPLE # Accurassay	Customer	Zinc ppm
1	709	762
2	710	2127
3	711	365
4	810	594
5	811	631
6	812	2921
7	813	612
8	815	1856
9	816	1105
10	817	485
11	818	891
12	819	758
13	821	1378
14	822	>10,000
15	824	3676
16	825	5644

Certified By: _____

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

October 12, 1999

Job# 9941018

SAMPLE #		Zinc
Accurassay	Customer	ppm
1	822	2.43%

Certified By:

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

October 12, 1999

Job# 9941018

SAMPLE # Accurassay	Customer	Gold ppb	Gold Oz/t
1	822	327	0.010
2 Check	822	346	0.010

Certified By.

33

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

Oct. 5, 1999

Job #9940661

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.
1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %
706	2.8	2.84	57	<5	13	0.2	15	1.88	32.8	37	81	42	8.86	0.04	<1	2.68
712	1.1	2.12	11	<5	17	0.3	3	3.79	2.4	44	66	137	6.97	0.06	<1	2.81
713	<.3	1.04	3	<5	12	0.2	<3	3.78	1.0	33	46	36	4.77	0.04	<1	1.57
814	7.0	2.06	11	<5	11	0.2	3	2.48	3.7	28	54	106	5.31	0.03	<1	2.36
820	<.3	1.60	13	<5	11	0.2	<3	2.20	4.1	39	56	98	5.69	0.03	<1	2.03
823	8.5	1.56	44	<5	9	0.2	10	3.42	46.0	32	49	274	6.82	0.02	<1	2.53

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
706	2118	10	0.02	<1	1184	402	18	<5	0.04	<5	38	<.01	110	<2	6384
712	2544	3	0.04	72	710	337	<2	<5	0.04	<5	64	<.01	85	<2	726
713	1167	2	0.05	54	390	<2	<2	<5	0.03	<5	61	<.01	40	<2	87
814	1985	2	0.02	50	498	52	<2	<5	0.03	<5	29	<.01	73	<2	792
820	1822	1	0.02	53	542	29	<2	<5	0.03	<5	30	<.01	56	<2	1030
823	2875	10	0.02	44	1165	549	20	<5	0.04	<5	44	<.01	55	<2	8418

Certified By:

Oct 5, 1999

Job #9940956

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.
1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6449
FAX (807) 623-6450

Sample #	Al2O3 %	BaO %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	SrO %	TiO2 %	LOI %	Total %
823	10.85	0.012	9.75	0.004	18.33	0.15	7.31	0.696	0.43	0.239	35.44	0.011	0.95	14.1	98.27

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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

Bernard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

Nov 4, 1999

Job# 9941109

SAMPLE # Accurassay	Customer	Gold ppb	Gold Oz/t
1	714	<5	<0.001
2	715	<5	<0.001
3	716	7	<0.001
4	717	25	<0.001
5	718	<5	<0.001
6 Check	718	<5	<0.001

Certified By:

Benard Barton
P.O. Box 254
Dryden, Ontario
P8N 2Y8
Fax (807) 937-4309

Nov 15, 1999

Job #9941109

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.
1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7E 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

SAMPLE #	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %
714	<.3	0.72	<2	11	18	0.3	<3	2.59	<.5	4	119	20	2.21	0.06	<1	1.30
715	0.4	0.59	<2	10	20	0.3	<3	2.61	<.5	4	90	24	2.11	0.07	<1	1.36
716	0.6	0.55	3	9	17	0.2	3	2.15	<.5	9	113	25	2.50	0.06	<1	1.10
717	1.1	0.58	4	7	18	0.2	<3	0.99	<.5	18	148	47	4.37	0.07	1	0.57
718	0.5	0.79	4	9	17	0.2	<3	2.10	< 5	5	76	21	2.01	0.06	2	1.26

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Si %	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
714	447	<1	0.06	9	621	6	<2	<5	0.02	<5	32	<.01	7	<2	65
715	488	<1	0.06	9	518	12	<2	<5	0.02	<5	38	<.01	6	<2	71
716	416	<1	0.06	16	752	10	3	<5	0.02	<5	36	<.01	7	<2	55
717	217	<1	0.07	15	694	10	<2	<5	0.02	<5	24	<.01	5	<2	41
718	464	<1	0.05	13	765	6	<2	<5	0.02	<5	33	<.01	9	<2	87

Certified By:

2.19883

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-9910.00161

Assessment Files Research Imaging

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

52F04SE2001 2.19886 DASH LAKE 900

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: Bernard Barton	Client Number: 105451
Address: Box 254 Dryden Ont P8N2Y8	Telephone Number: 807-937-4309
	Fax Number: 807-937-4309
Name:	Client Number:
Address:	Telephone Number:
	Fax Number:

RECORDED NOV 30 1999

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

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

Work Type: Diamond Drilling. JK4S Hand held packsack drill 7/8" core + Splitting and Logging core

Dates Work Performed: From 10 (Day) 05 (Month) 99 (Year) To 11 (Day) 11 (Month) 99 (Year)

Global Positioning System Data (if available): Kenor mining Division

Township/Area:

M or G-Plan Number: G2671 Dash Lake Area.

Office Use	
Commodity	
Total $ Value of Work Claimed	6,918.00
NTS Reference	
Mining Division	Kenora
Resident Geologist District	Kenora

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: Bernard Barton	Telephone Number: 807 937-4309
Address: Box 254 Dryden ont. P8N2Y8.	Fax Number: 807 937-4309
Name:	Telephone Number:
Address:	Fax Number:
Name:	Telephone Number:
Address:	Fax Number:

RECEIVED NOV 30 1999 10:50 GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Bernard Barton (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: Bernard Barton		Date: Nov. 24/99
Agent's Address: Box 254 Dryden ont P8N2Y8	Telephone Number: 807 937-4309	Fax Number: 807 937-4309

0241 (03/97)

PROVINCIAL RECORDING OFFICE - SUDBURY RECEIVED NOV 30 1999 A.M. P.M.

422

Deemed Feb 28/2000

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W-9910. 00161

	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. 2.19886	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	1161132	1	963.00		963.00	
2	1161131	1	2812.00		1800.00	1012.00
3	1161136	10	3143.00		3037.00	106.00
4	1202132	6		1800.00		
5	1202175	10		4000.00		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals	28	6918.00	5800.00	5800.00	1118.00

RECORDED
NOV 30 1999

I, _____ (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
Ben Bartel	Nov 24/99

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

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

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

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

For Office Use Only

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

0241 (03/97)

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PROVINCIAL RECORDING OFFICE - SUDBURY
RECEIVED
NOV 30 1999
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Ontario Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)
W.9910.00161

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.

2.19886 2.19886

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 Drill ⅞ core.	53.3 meters	$66.00	$3517.80
Logging - Splitting core	3 days = 24 hrs	$150.00 Day	450.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
ASSAY costs. 30		$13.18	395.40
Greyhound. ship assays.			40.00
Transportation Costs			
way = 262 km x 2 x 16 days = 8384		.30	2515.20
Food and Lodging Costs			
		Total Value of Assessment Work	$6918.40

RECORDED
NOV 30 1999

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.

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GEOSCIENCE ASSESSMENT OFFICE

Certification verifying costs:

I, Bernard Barton (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.

PROVINCIAL RECORDING OFFICE - SUDBURY
RECEIVED
NOV 30 1999
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

Signature	Date
Bernard Barton	Nov 24/99

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

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

December 15, 1999

BERNARD CLAUDE BARTON
204 STENBERG RD.
BOX 254
DRYDEN, ONTARIO
P8N-2Y8

Dear Sir or Madam:

Submission Number: 2.19886

Subject: Transaction Number(s):		**Status**
	W9910.00161	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact STEVE BENETEAU by e-mail at steve.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

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

Correspondence ID: 14420
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.19886

Date Correspondence Sent: December 15, 1999 **Assessor:** STEVE BENETEAU

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9910.00161	1161132	DASH LAKE	Deemed Approval	December 14, 1999

Section:
16 Drilling PDRILL

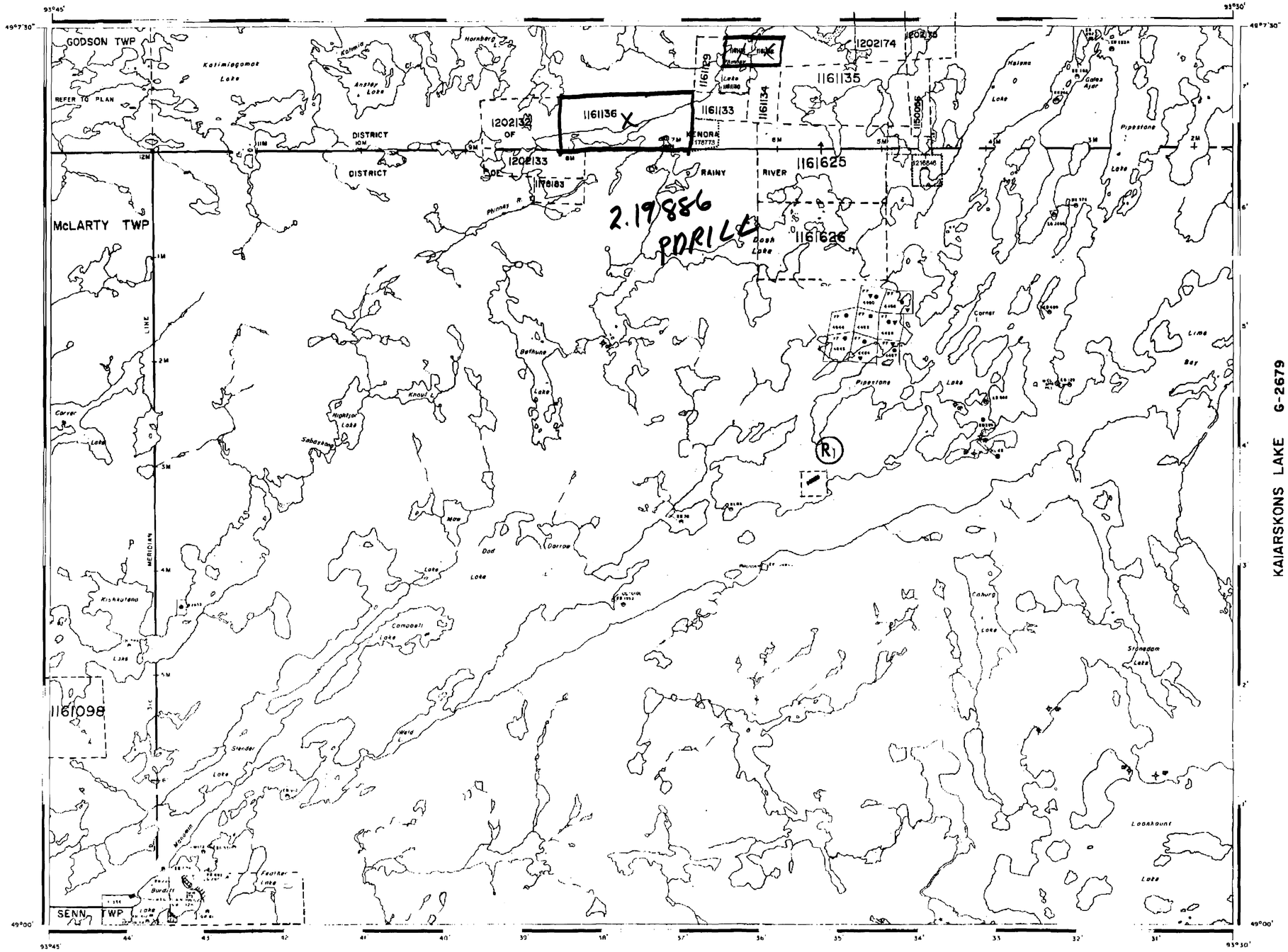
Correspondence to:
Resident Geologist
Kenora, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
BERNARD CLAUDE BARTON
DRYDEN, ONTARIO

Correspondence ID: 14420

BROOKS LAKE G-2670



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	▣
" MINING RIGHTS ONLY	▣
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓢ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970 CHAP. 380, SEC. 63, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M + S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1) SEC.35	W-ILL-C2348/98	ONT MAY 13/99	M & S (200 m FROM WATER'S EDGE IN DESIGNATED AREAS)	

DATE OF ISSUE

DEC 17 1999

PROVINCIAL RECORDING OFFICE - SUDBURY

SCALE 1 INCH : 40 CHAINS

AREA

DASH LAKE

M.N.R. ADMINISTRATIVE DISTRICT

FORT FRANCES

MINING DIVISION

KENORA

LAND TITLES / REGISTRY DIVISION

KENORA/RAINY RIVER

Ministry of Natural Resources — Land Management Branch — Ontario

Date MARCH, 1984

Number G-2671

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.

LEGEND

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