

Nortem Mining & Exploration Inc.

RPO 23016 West Ferris, North Bay On. P1A 4K6

Phone: 705-476-3555 Fax: 705-476-3552

March 12, 2002

2. 23206

Mr. Jim McAuley  
Assessment Work Officer  
MNDM, Sudbury

**SCOPE OF WORK:** Diamond Drilling ( Norex Drilling Of Timmins )  
: 14 holes were drilled with core samples taken from each hole.

**CLAIM INVOLVED:** 1229264 Shaw Township (see map)

**INFORMATION INCLUDED WITH THIS REPORT:**

- : Declaration of Assessment Work Forms
- : 6 pages of Drill Cross Sections covering all 14 holes
- : Map showing location of holes and their depth (May 16,2000)
- : Map showing Silica % (Summary July 13,2000)
- : Colour Map Figure#1 Proposed Exploration Drill Holes
- : Norex Drilling Limited Inv. # 336

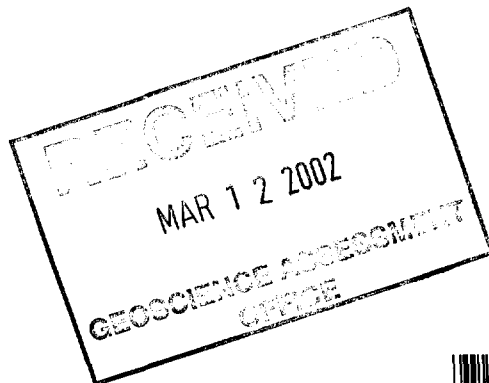
\*\*\*\*\*All information has been provided in duplicate\*\*\*\*\*

**CONCLUSIONS:** The drill program performed has provided enough information to warrant Nortem Mining to execute an application for a Aggregate Permit. The results of the core cross sections show a lower grade ore then we had hoped for but still believed to be marketable. It is believed that this material can be used in the Smelter Process at Falconbridge Kidd Creek Operation located about 23klms from this deposit.

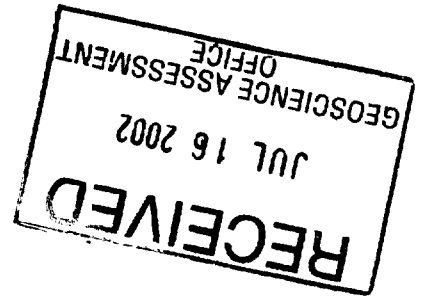
**ASSESSMENT CREDIT CLAIMED:** \$ 30,681.38 Canadian Dollars

**BREAKDOWN OF ASSESSMENT DOLLARS CLAIMED**

#1 Norex Drilling Invoice#336 Dated 5/17/00-----	\$ 28,281.38
#2 Supervision / Charting—16 days @ \$150 per day-----	\$ 2,400.00
<b>TOTAL</b>	<b>\$ 30,681.38</b>



**Nortem Mining & Exploration Inc.**  
RPO. 23016 West Ferris, North Bay, Ont. P1A 4K6  
Phone: 705-476-3555 \*\*\*\* Fax: 705-476-3552



**July 15, 2002**

Geoscience Assessment Office  
933 Ramsey Lake Road, 6<sup>th</sup> Floor  
Sudbury, Ontario  
P3E 6B5

**Att. Mr. Bruce Gates**

Submission #-----2.23206  
Transaction #-----W0260.00492

**Bruce:** Further to our phone conversation regarding the REVISIONS requested by your office Nortem Mining has called once again called upon the help of it's solicitor Mr. John Huot. Mr. Huot is attempting to extract the missing Drill Logs from Mr. B.J. McKay of B.J.McKay Ltd.,the geologist who prepared them on Nortems behalf. Mr. Huot has contacted Mr. Dan Pascal regarding this matter.

However I personally can provide most of the additional information you are requesting regarding the REVISIONS stated in your letter dated June 04/02. I also believe some of the requested information can be found in my previously submitted material.

***I am hopeful that this new information provided in duplicate along with the original information previously submitted will allow my assessment claim to be processed without a dollar reduction.***

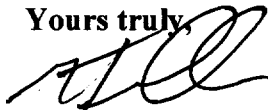
**REVISION Notice**

- (a) Identify the hole by number  
ALL HOLES ARE IDENTIFIED BY NUMBER (14 holes)( see paperwork )
- (b) Give the mining claim number ( 1229264 Shaw Township)( see paperwork)
- (c) Indicate the location of the drill hole collars in relationship to the grid line coordinates.( **cannot provide this without logs**)
- (d) Indicate the angle and azimuth of the hole. ( **see drill cross section provided**)
- (e) Indicate the size of the core (" N" core—17/8inch)
- (f) State starting and completion dates of drilling ( **May 1—May 16/ 00**)
- (g) State name of the drill contractor ( **Norex Drilling, Timmins, Ont.**)
- (h) State the storage location of core( **Mr. J.P. Spence/ adjoining property**)

- (i) Indicate the thickness of overburden ( **zero to six inches throughout**)
- (j) Adequately describe all geological units encountered ( **cannot provide this**)
- (k) Indicate the total depth of penetration of the hole in bedrock  
( **all holes where drilled in bedrock**)( see paperwork)
- (l) Indicate the location and type of all samples taken for assay  
( **all assay material was split core, see paperwork for assay results**)
- (m) State the completion date of logs( **unknown at this time**)
- (n) Contain the printed name of the author( **Brian McKay**)
- (o) Provide a legend of all symbols used ( **not applicable** )
- (p) Include assay values for sections assayed( see silica summary July 13/00)
- (q) signed by author of logs ( **not applicable at this time**)

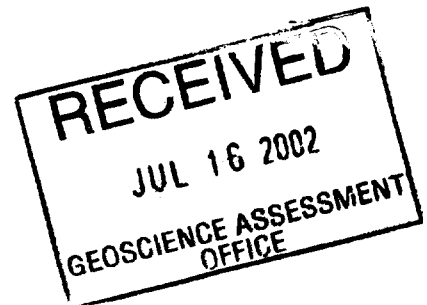
**Should you have any questions regarding this correspondence I can be reached at the above phone number or my cell phone( 705 ) 499-1938**

Yours truly,



Gordon Fuller

Cc. John Huot  
( Timmins Ont.)





**NOREX DRILLING LIMITED**  
 P.O. Box 88  
 PORCUPINE, ONTARIO P0N 1C0

**INVOICE**

Tel: (705) 235-2222 Fax: (705) 235-2806

NO: 338  
 DATE: 5/17/00  
 PAGE: 1 of 1

SOLD TO:

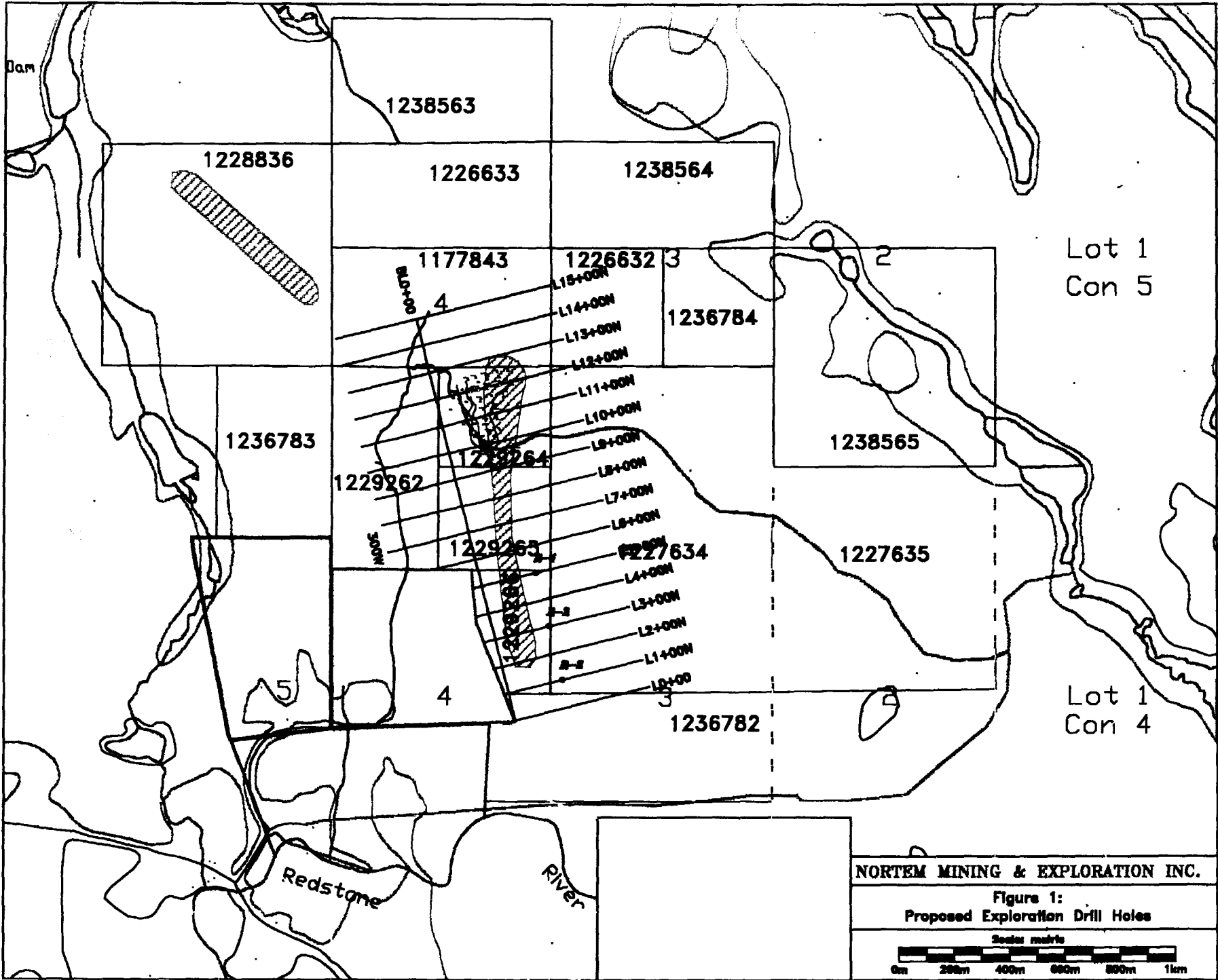
Nortem Mining & Exploration Inc.  
 P.O. Box 70  
 Temagami, Ontario  
 P0H 2H0

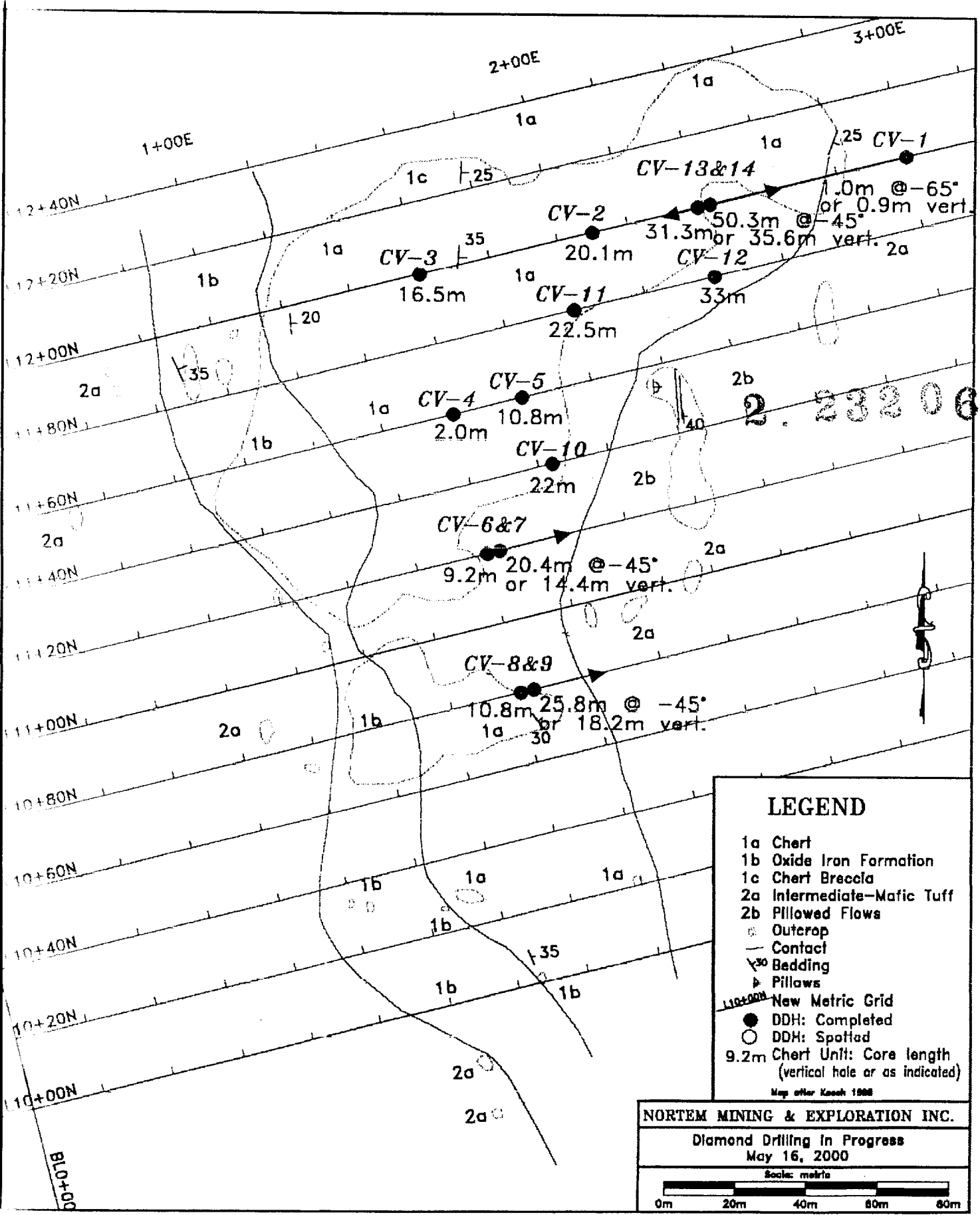
TO:

Nortem Mining & Exploration Inc.  
 Attn: Brian McKay  
 Re: Shaw Twp.  
 May 1-16/00

Business No.: 10390 4504

ITEM NO	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
	150	m	HOLE #CV-1-00, Casting 3m	38.00	5,700.00
	8	m	150 to 158	39.65	317.20
	32	m	HOLE #CV-2-00	38.00	1,216.00
	29	m	HOLE #CV-3-00	38.00	1,102.00
	20	m	HOLE #CV-4-00	38.00	760.00
	23	m	HOLE #CV-5-00	38.00	874.00
	20	m	HOLE #CV-6-00	38.00	760.00
	29	m	HOLE #CV-6-00A	38.00	1,102.00
	38	m	HOLE #CV-7-00	38.00	1,444.00
	23	m	HOLE #CV-8-00	38.00	874.00
	41	m	HOLE #CV-9-00	38.00	1,558.00
	32	m	HOLE #CV-10-00	38.00	1,216.00
	38	m	HOLE #CV-11-00	38.00	1,444.00
	50	m	HOLE #CV-12-00	38.00	1,900.00
	47	m	HOLE #CV-13-00	38.00	1,786.00
	68	m	HOLE #CV-14-00	38.00	2,584.00
	4		Moves	75.00	300.00
			Mob & Demob	1,000.00	1,000.00
			Core Splitter Cost (Copy of Inv enclosed)	494.00	494.00
			3 - GST @ 7.0%		1,850.18
Terms: Net 15, Due 6/30/00.					
<b>FILE COPY</b>					
COMMENTS: Thank You!					28,281.38



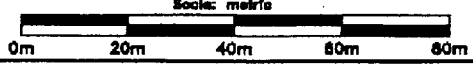


**LEGEND**

- 1a Chert
  - 1b Oxide Iron Formation
  - 1c Chert Breccia
  - 2a Intermediate-Mafic Tuff
  - 2b Pillowed Flows
  - Outcrop
  - Contact
  - ↘<sub>30</sub> Bedding
  - ▶ Pillows
  - New Metric Grid
  - DDH: Completed
  - DDH: Spotted
  - 9.2m Chert Unit: Core length (vertical hole or as indicated)
- Map after Koch 1988

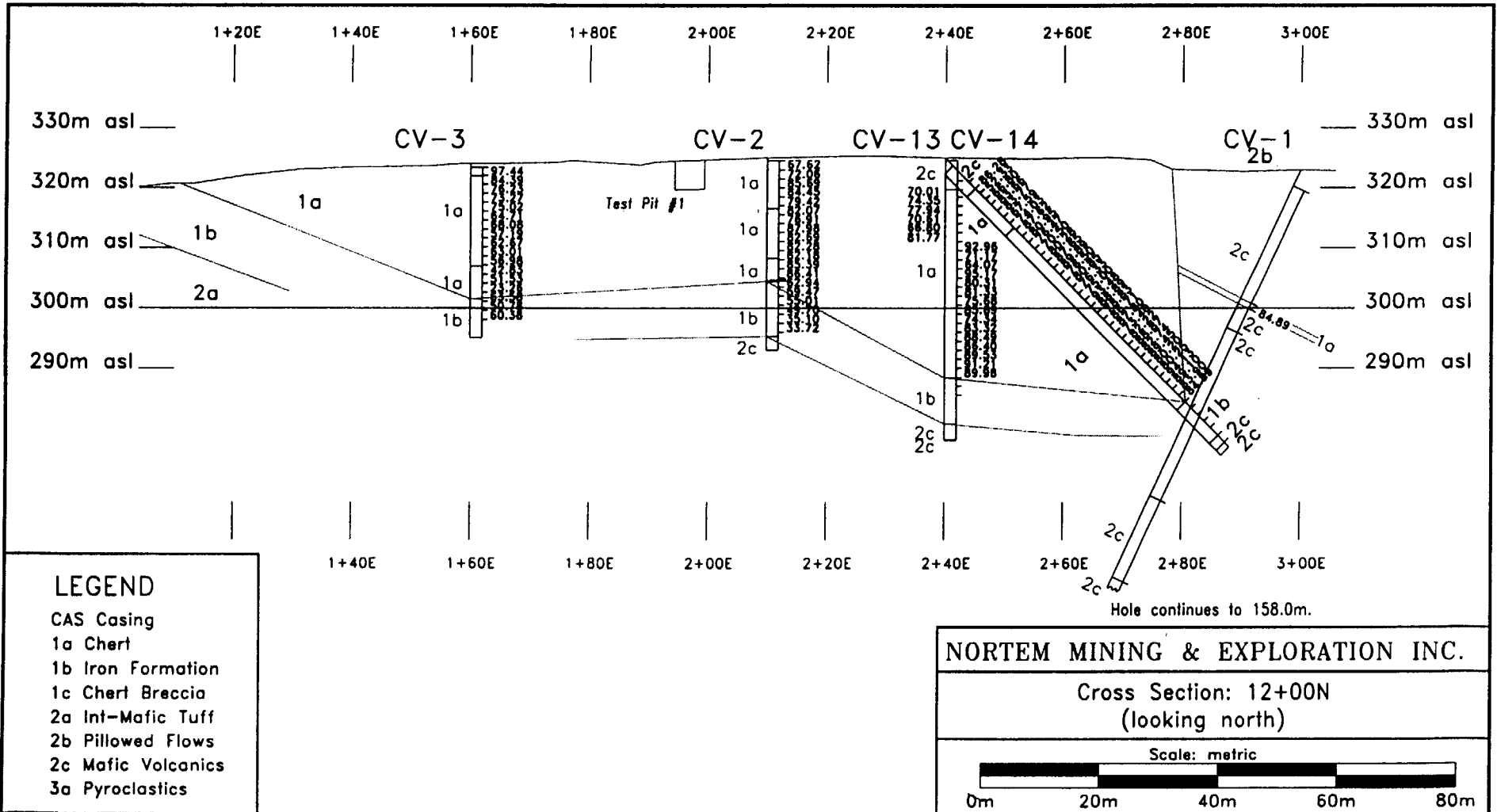
**NORTEM MINING & EXPLORATION INC.**

Diamond Drilling in Progress  
May 16, 2000



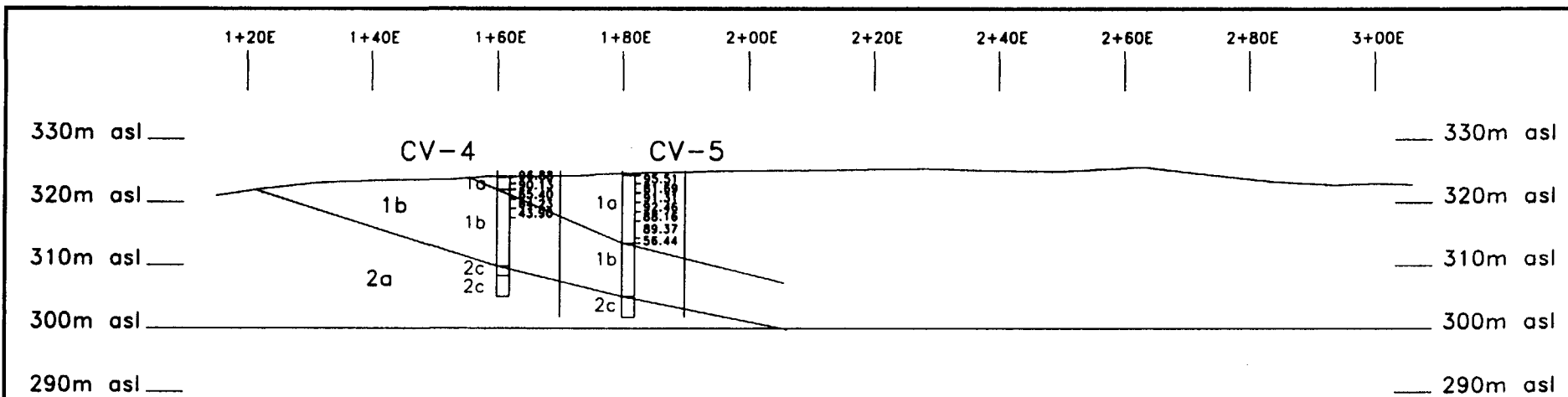


2013-03-15  
 09:15:30  
 09:15:30





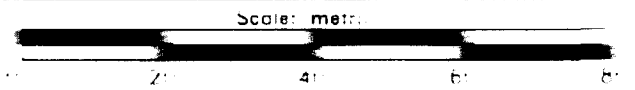
2. 23200

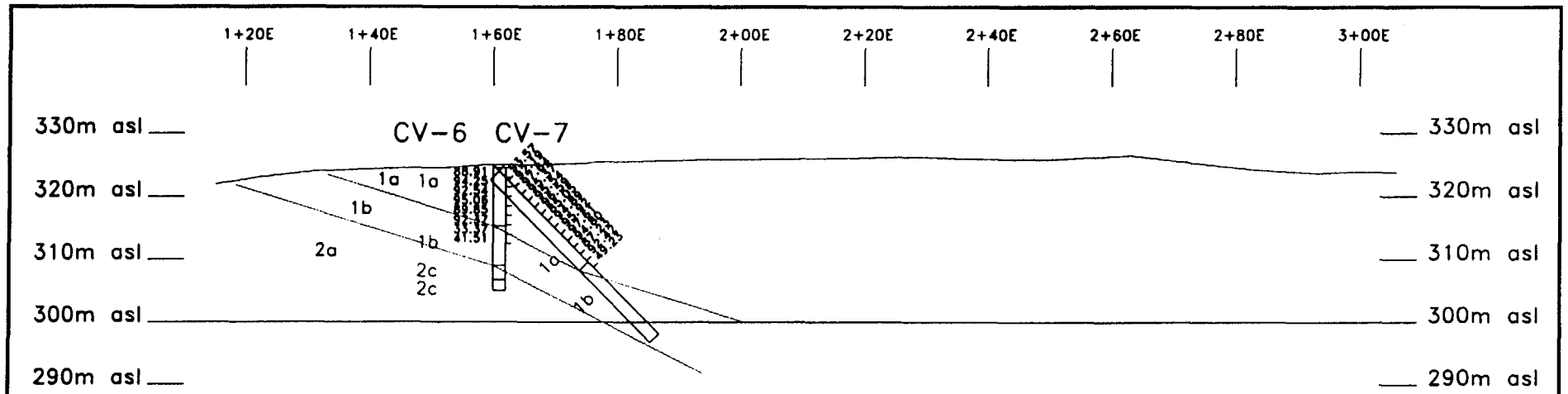


- LEGEND**
- CAS Casing
  - 1a Chert
  - 1b Iron Formation
  - 1c Chert Breccia
  - 2a Int-Mafic Tuff
  - 2b Pillowed Flows
  - 2c Mafic Volcanics
  - 3a Pyroclastic
  - 3b Transition Zone
  - 3c Upper Flow

1+40E    1+60E    1+80E    2+00E    2+20E    2+40E    2+60E    2+80E    3+00E

**NORTEM MINING & EXPLORATION INC.**  
 Cross Section: 11+60N  
 (looking north)





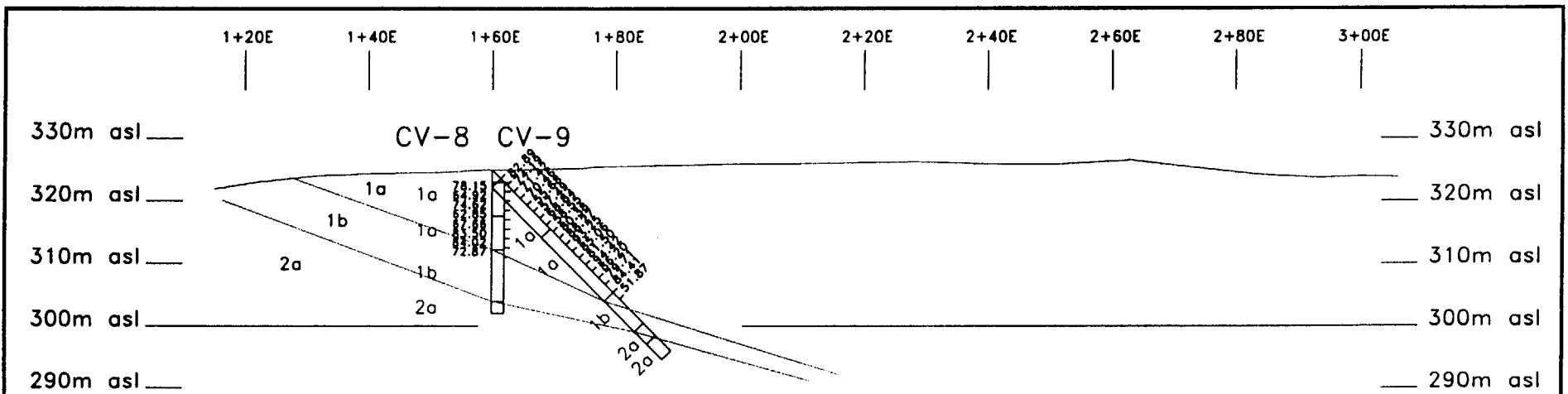
- LEGEND**
- CAS Casing
  - 1a Chert
  - 1b Iron Formation
  - 1c Chert Breccia
  - 2a Int-Mafic Tuff
  - 2b Pillowed Flows
  - 2c Mafic Volcanics
  - 3a Pyroclastics
  - tz Transition Zone (upper & lower)

1+40E      1+60E      1+80E      2+00E      2+20E      2+40E      2+60E      2+80E      3+00E

**NORTEM MINING & EXPLORATION INC.**

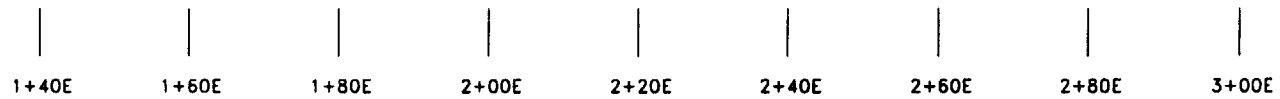
Cross Section: 11+20N  
CV-6&7 (looking north)

Scale: metric



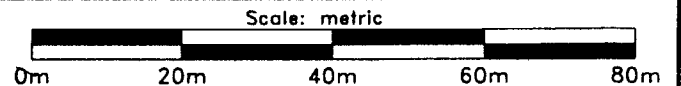
**LEGEND**

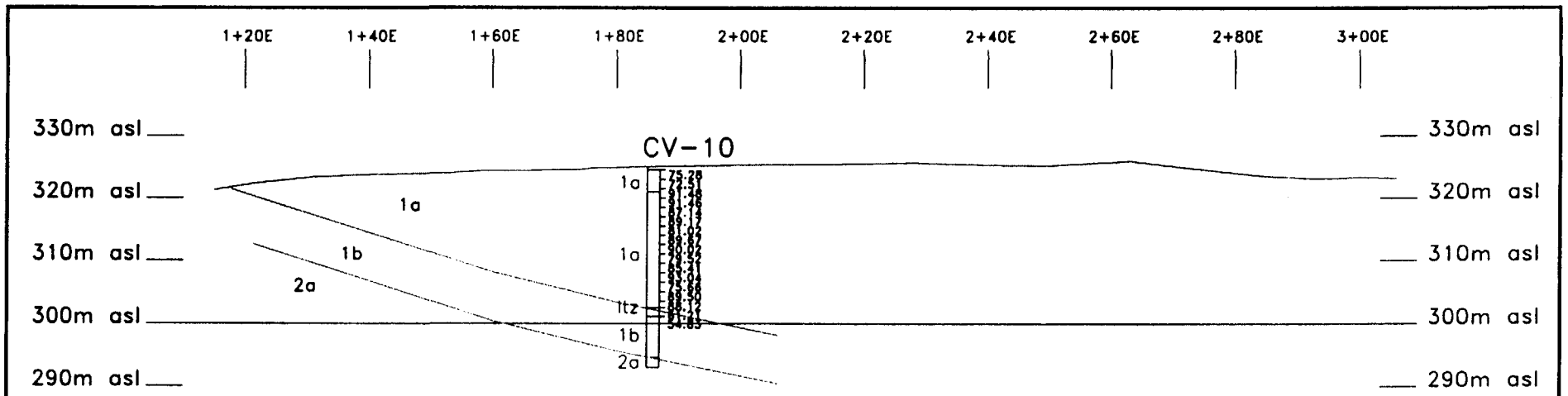
- CAS Casing
- 1a Chert
- 1b Iron Formation
- 1c Chert Breccia
- 2a lht-Mafic Tuff
- 2b Pillowed Flows
- 2c Mafic Volcanics
- 3a Pyroclastics
- tz Transition Zone  
(upper & lower)



**NORTEM MINING & EXPLORATION INC.**

Cross Section: 10+80N  
CV-8&9 (looking north)





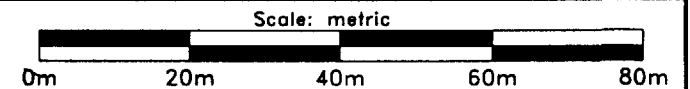
**LEGEND**

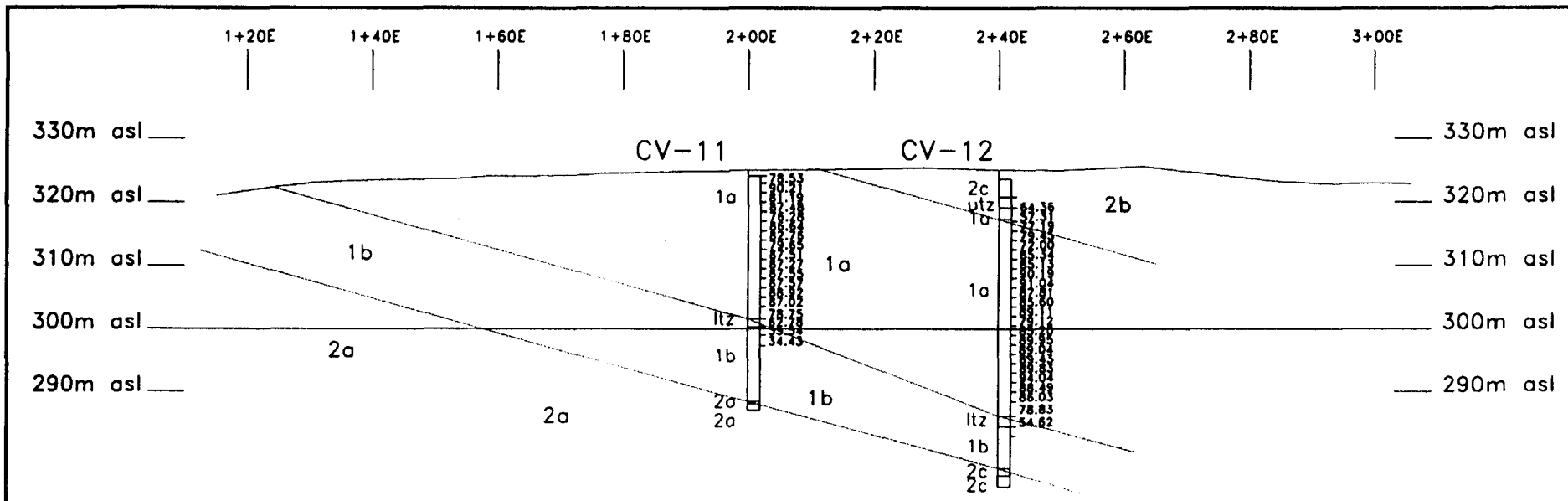
- CAS Casing
- 1a Chert
- 1b Iron Formation
- 1c Chert Breccia
- 2a Int-Mafic Tuff
- 2b Pillowed Flows
- 2c Mafic Volcanics
- 3a Pyroclastics
- tz Transition Zone  
(upper & lower)



**NORTEM MINING & EXPLORATION INC.**

Cross Section: 11+40N  
CV-10 (looking north)





**LEGEND**

- CAS Casing
- 1a Chert
- 1b Iron Formation
- 1c Chert Breccia
- 2a Int-Mafic Tuff
- 2b Pillowed Flows
- 2c Mafic Volcanics
- 3a Pyroclastics
- tz Transition Zone (upper & lower)

1+40E    1+60E    1+80E    2+00E    2+20E    2+40E    2+60E    2+80E    3+00E

**NORTEM MINING & EXPLORATION INC.**

Cross Section: 11+80N  
(looking north)

Scale: metric



Date: 2002-AUG-15

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

NORTEM MINING & EXPLORATION INC.  
R.P.O. 23016 WEST FERRIS  
NORTH BAY, ONTARIO  
P1A 4K6 CANADA

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

**Submission Number:** 2.23206  
**Transaction Number(s):** W0260.00492

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

The 45 days outlined in the Notice dated June 4, 2002 have passed.

The diamond drill logs have been provided. Typically little to no assessment credit is allowed for a drilling submission that does not include the logs. In this instance, as the property is an industrial mineral prospect, the sections showing assay results have provided some information of value to the provincial database.

We have allowed 30% assessment credit based on the sections and plans provided. The section for Hole CV-1 does not cover the hole below 75m and that portion has been removed from the total costs. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is \$8,190 (\$30,681 - \$3,382 x 30%). The un-credited portion of the cost may be claimed, along with the analyses cost, if a complete submission that meets the requirement of the Assessment Work Regulation is re-filed.

Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office by August 29, 2002 otherwise assessment credit will be cut-back and distributed as outlined in Section #6 of the Declaration of Assessment Work form.

If you have any question regarding this correspondence, please contact BRUCE GATES by email at [bruce.gates@ndm.gov.on.ca](mailto:bruce.gates@ndm.gov.on.ca) or by phone at (705) 670-5856.

Yours Sincerely,



Ron Gashinski  
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Assessment File Library

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



James Ernest Croxall  
(Claim Holder)

Nortem Mining & Exploration Inc.  
(Claim Holder)

Nortem Mining & Exploration Inc.  
(Assessment Office)





MINISTRY OF  
NORTHERN DEVELOPMENT  
AND MINES  
PROVINCIAL MINING  
REGISTRY SERVICE

MINING LAND TENURE  
MAP

Date / Time of Issue Jun 3 2002 09:25h Eastern

TOWNSHIP / AREA SHAW PLAN G-3999

ADMINISTRATIVE DISTRICTS / DIVISIONS  
Mining Division Porcupine  
Land Titles/Registry Division COCHRANE  
Ministry of Natural Resources District TIMMINS

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Resource Map
- Water Feature
- City, P1 and P2
- Corner
- Corner - Registered Address
- Street
- Main Road
- Highway
- Road
- Trail
- Natural Gas Pipeline
- Power Line
- Communication Line
- Wooded Area
- Measured Local Historical/Landmark Control

LAND TENURE

- Freehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Land Use Permit
- Order In Council
- Water Power Licence Application

LAND TENURE WITHDRAWALS

- Area Withdrawn from Deposition Mining Act Withdrawal by pm
  - Surface And Mining Rights Withdrawal
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal
  - Order In Council Withdrawal Types
  - Surface And Mining Rights Withdrawal
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal

IMPORTANT NOTICES



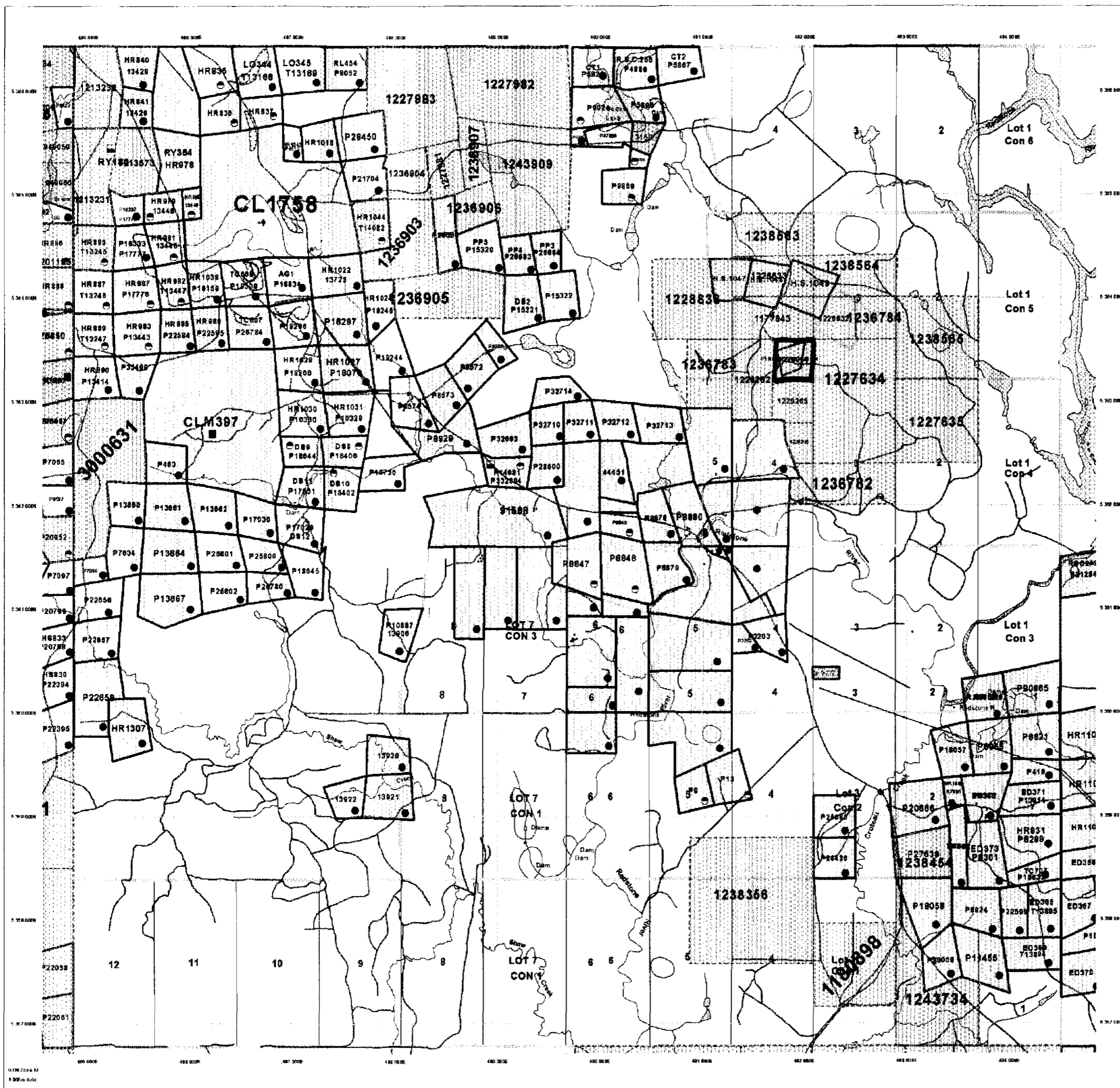
LAND TENURE WITHDRAWAL DESCRIPTIONS

Minister	Expn	Date	Description
3482	Wm	Jan 1 2001	0 ONE MINE'S LIMITED SURFACE RIGHTS LEASG #12920
3486	Wm	Jan 1 2001	REC.P.A.P. SEC.3 P.L.A. #8542
3476	Wm	Jan 1 2001	0 ONE MINE'S LIMITED SURFACE RIGHTS LEASG #12920
3490	Wm	Jan 1 2001	0 ONE MINE'S LIMITED SURFACE RIGHTS LEASG #12920
WRT/77	Wm	Jan 1 1999	WRT/77-1997/77 S.L.C. 30546

IMPORTANT NOTICES

Areas under which special regulations, restrictions or conditions apply that affect normal prospecting, mining and mineral development activities.

2.23206  
PDRILL



This map is a derivative of the Mining Land Tenure Map of the Province of Ontario, prepared by the Ministry of Northern Development and Mines. It is not intended to be used for any purpose other than that for which it was prepared. The information shown is derived from digital data available to the Provincial Mining Registry Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:  
Provincial Mining Registry Office, 1st Floor  
1885 Queen Street West, Toronto, Ontario  
M5S 2R5  
Tel: 1-800-467-8888  
Fax: 1-416-392-1444  
E-mail: 1-877-873-1444  
Home Page: www.mnr.gov.on.ca/mining/REGISTRY/REGISTRY.htm

This map may not show all registered land titles and interests in land including certain patents, leases, easements, rights of way, mining rights, licences, or other forms of disposition of rights and interests in the Crown. Also certain land titles and land uses that restrict or prohibit free entry to make mining claims may not be displayed.



42A06N2025 2.23206 SHAW

200