



31M13NE2001 2.18439 MULLIGAN

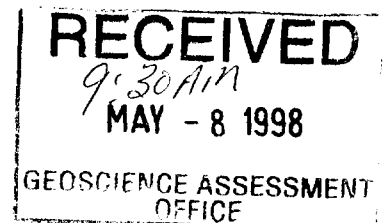
010

2 . 1 8 4 3 9

Diamond Drilling Bouzane Property

Claim 1150621, Mulligan Township,

Larder Lake Mining Division, Ontario



Prepared by:
A.W. Beecham
For: D. Bouzane

23 April 1998

NTS: 31-M-13



31M13NE2001 2.18439 MULLIGAN

010C

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Appendix

Drill log F-1, and F-2 with assay sheet;

Diamond Drilling Bouzane Property

Introduction

The claims lie in Mulligan Township, near the Ontario-Quebec border and about 25 km. ENE of the town of Englehart and the same distance SSE of the town of Larder Lake. Until recently this area has seen mineral exploration. However, since about 1991, considerable exploration has been done by Sudbury Contact M.L. and more recently by Nova West. This exploration is for gold, base metals and diamonds.

On the Bouzane property, a vertical loop EM conductor occurs along a regional NNW striking fault zone. On the SSE part the conductor appears to lie within basement granites and metasediments and to the NNW it passes through an area of Huronian sedimentary rocks. It is not known if granite or volcanics underlie the Huronian cover. The strength of the anomaly at its mid point, suggests it is caused by sulphides or graphite. A coincident magnetic anomaly tends to substantiate it as a bedrock rather than overburden anomaly. However, due to lack of exposure the geological model is uncertain. Possible sources for the conductor could be as follows: (1) sulphide concentrations within mafic or ultra mafic intrusives or volcanics possibly hosting Cu-Ni concentrations, (2) large sulphide veins along the fault zone, hosting Cu and other base metals, (3) volcanic hosted massive sulphides containing Cu, Zn Ag and possibly Au or (4) graphitic horizons. Even though the conductor 'tracks' along the late (post Paleozoic) regional fault, which is not known to be mineralized, it was thought that at this point the fault might coincide with mineralized Archean basement structures.

The purpose of the drilling was to test this conductor within the basement rocks.

Description of Work

Two drill holes have been put down to test the long vertical loop E.M. conductor. The drilling of F-1, and F-2 to a depth of 47 m (155FT) was financed by OPAP Grant OP-97-230. During the year, the claims were optioned to Curion Ventures Corporation of Vancouver, B.C. who financed the remainder of hole F-2 to a final depth of 100 m.

The first hole, F-1 was drilled on section 0+00N on the relatively strong middle part of the conductor. It was drilled from grid east to west at a dip of 60°. Because of difficult overburden, it did not reach bedrock and was abandoned in overburden at 37m.

The second hole, F-2, was drilled on section 4+00 (ft)N where the overburden was thought to be shallower even though the conductor at this point is weaker. F-2 drilling from grid east to west at a dip of 55° hit bedrock at depth of 47m and then cut 25m of Huronian quartzites followed by 25 m of magnetic diabase dyke, and finally 10m of Huronian siltstones. It was stopped in Huronian cover rocks at 100m without having reached the Archean (Keewatin) basement. The Huronian rocks on both sides of the diabase are badly broken, and it appears the dyke occupies a fault. Only minor sulphide concentrations are present and there is no good explanation of the

SCALE 1 INCH = 40 C

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- ROADS
- IMPROVED ROADS
- RAILWAYS
- POWER LINES
- KING'S HIGHWAY
- MINES
- MARSH OR MUSKEG
- CANCELLED
- PATENTED S.R.O.

NOTES

400 Surface rights reservation around rivers.

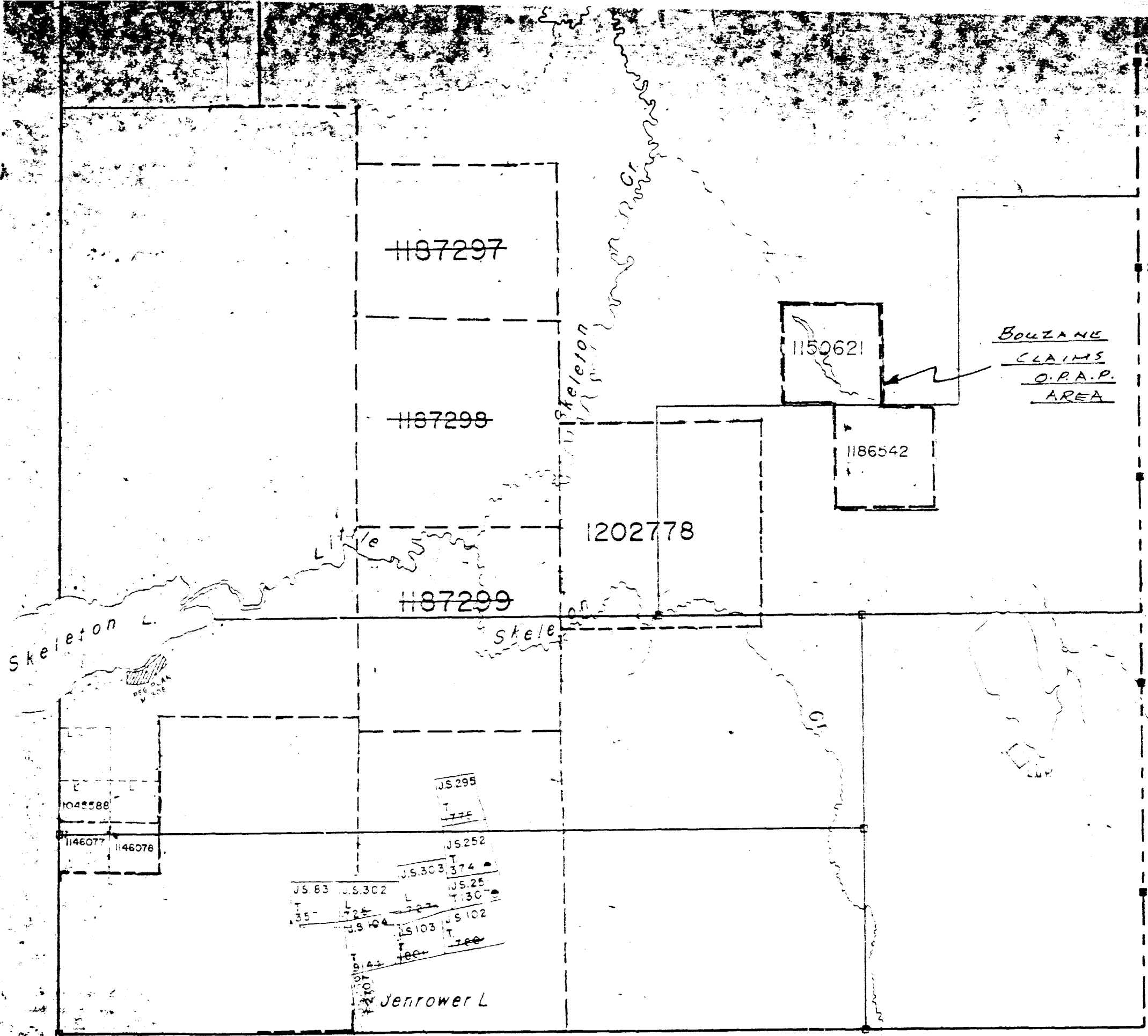
DATE OF

EP 3

OF

PROVINCE

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.



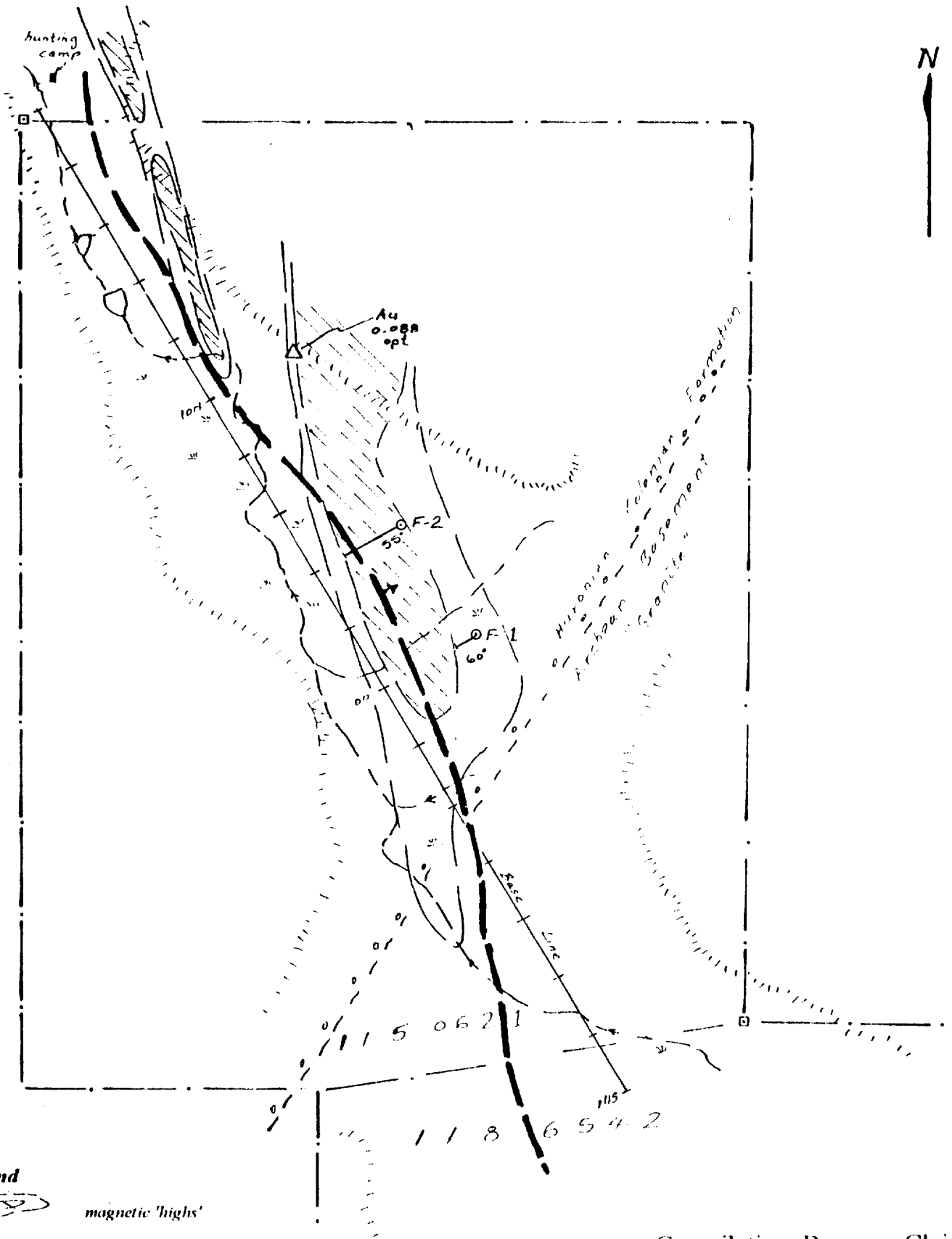
Bouzane Claims
 Part of Mulligan Township
 District of Timiskaming
 Scale: 1:31680

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ARCHIVED JULY

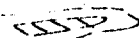

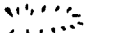

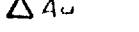

Location Map,

Fig. 1

Pense Twd.



Legend

-  magnetic 'highs'
-  Vert. Loop EM. Conductor
-  outline high ground, outcrop
-  Claim post, line
-  Au Showing
-  Diamond drill hole

Compilation, Bouzane Claims

Mulligan Township

District of Timiskaming

Scale: 1:4800

NTS 31-M-13

Fig

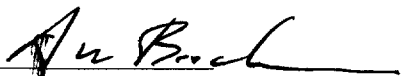
conductor unless it is caused by the fault itself or the associated overburden trough. However, assuming the conductor is sourced in basement rocks, it appears that the hole over-shot the anomaly. There is some minor red hematite alteration of the siltstone with a little disseminated pyrite on the west side of the diabase dyke. This was assayed for gold, but the results were negative.

Conclusions

The drilling program failed to explain the EM conductor. The presence of a significant fault is suggested and the conductor could in part be caused by this fault and the deep associated overburden filled trench along it. However, it is thought that, at the least the strong, middle part of the anomaly has a bedrock source which is probably within the underlying Archean rocks. As drill hole F-2 cut only Huronian sedimentary rocks and a post Huronian diabase dyke, it is likely to have overshot the conductor.

Recommendations

In spite of the uncertainty of the geological model, this is a valid exploration target and further work is recommended to test the conductor. The original vertical loop EM survey was done at 1000 Hz. This is an intermediate frequency which probably responds to both intermediate and strong conductors. It is recommended that a few lines of vertical loop EM survey be repeated over the strong part of the anomaly using a relatively low frequency such as 300 or 200 Hz. This is more definitive and will response only to strong conductors such as sulphides or graphite. If the anomaly is confirmed at the lower EM frequency, it should be drilled on the strongest point. A larger drill (larger than Lachapelle's JKS-300) should be used. The hole should be drilled NQ to help penetration of broken sections. Because of the uncertain depth of the Huronian-Archean unconformity, this is not an easy target and two holes may be necessary. One would determine the depth of the unconformity and the second would test the anomaly just below the unconformity. Because of the swampy conditions the drilling should be done in the winter.



A.W. Beecham, M.Sc., F.G.A.C.

Haileybury, Ontario

23 April 1998

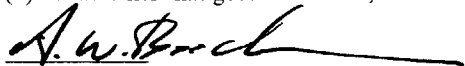


BOUZANE CLAIMS

DIAMOND DRILL HOLE LOG

HOLE No.F-1

Property Mulligan Twp. Project	Tp Mulligan TP Lot & Conc.	Azimuth 240° Dip 60°	Date started 27th Oct. (±)1997 Date Completed 7th Nov.1997	Corrected Depth	Dip Mag. Az	Tests True Az	(°) Dip	Location Sketch
Claim #1150621	Co-ordinates Metric 0+00N 92.7E	Length (metres) 37.2m	Drilled by: La Chapelle Drilling					
Grid # Imperial Grid	Feet 0+00N 3+04E	Collar Elevation	Logged by: A.W. Beecham					

Metres From	To	DESCRIPTION	Sample Number	From	To	Length	% Py	ppb Au	ASSAYS
		Objectives:- TEST VERTICAL LOOP EM ANOMALY							
0	37.2	Casing							
25.9	36	BOULDERS IN TILL CORED: Massive siltstone, Minor feldspar porphyry bedded siltstone; One boulder (10cm) muscovite granite. Boulders up to 20cm No bed rock cored.							
		Drilling Notes: (1) Core Size BQ, 36mm (2) Hole abandoned at 37.2m due to sand - unable to drill casing deeper (3)Casing pulled. (4)Hole drilled with JK Smit 300 machine (5) Drilling contractor: Lachapelle Drilling, P.O. Box 477, Belle Vallee, ON, POJ 1A0, Tel/Fax: 705 647 4941 (6) Core storage: Residence of D. Bouzane, 412 Joyal Dr., Haileybury, ON P0J 1K0; Tel: 705 672 5391 (7) Uncased hole has good water flow, sufficient for drilling;							
		 A.W.Beecham 8/12/97							

BOUZANE CLAIMS

DIAMOND DRILL HOLE LOG

HOLE No.F-2

Property	Tp	Azimuth	Date started	Corrected	Dip	Tests	(°)	Location Sketch
Mulligan Twp.	Mulligan TP	241°	13th Nov. 1997	Depth	Mag. Az	True Az	Dip	
Project	Lot & Conc.	Dip	Date Completed					
		55°	5th Dec.1997					
Claim #1150621	Co-ordinates	Metric	Length (metres)	Drilled by:				
	121.9N	88.2E	100m	La Chapelle Drilling				
Grid #		Feet	Collar Elevation	Logged by:				
Imperial Grid	L4+00N	2+89.5E		A.W. Beecham				

Metres From	To	DESCRIPTION	Sample			ASSAYS	
			Number	From	To	Length	% Py
		Objectives:-TEST VERTICAL LOOP EM CONDUCTOR					
0	45.1	Casing					
42.6	46.6	<u>BOULDERS (TILL):</u> Grey para conglomerate - siltstone					
46.6	63.1	<u>FELDSPATHIC QUARTZITE (HURONIAN)</u> Med. grey to brownish, fine - sand size with minor dark grey siltstone-greywacke beds; Minor grit beds. Hard, sub-concoidal fracture Feldspar- rich <u>Structure:</u> Massive or indistinctly bedded at 55°-60° Minor sections broken core at 49.5m; 58.5 - 59.4m. <u>Alteration & Veins:</u> 59.4m a little blotchy red brown alteration in minor bx with a little diss'd Py. <u>Mineralization:</u> tr diss'd Py here + there. See Alteration. <u>Remarks:</u> 58.5 -0.1 to 0.2m thick fine grain mafic dyke - chilled contacts at 45°. Length uncertain - as core may be misfitted. 63.6-63.9m dark grey f.g. mafic dyke, chilled contacts at 45°; dyke on f.g. greywacke;59.5 granite fragments probably from overburden 46.7 - 10 cm grey heterolithic bx with clay matrix - Probably clay from overburden and not fault as adjacent rock not fractured.					
			59.5	59.8	0.3	½	2
63.1	71.5	<u>FRACTURED FELDSPATHIC QUARTZITE WITH DARK GREY SILTSTONE -GREYWACKE</u> As above with 30-40% dark grey massive silty rock with quartz sand grains. <u>Structure:</u> Fractured - shattered (broken) ± throughout; Minor fault bx + gouge at 70.9.Broken core probably does not seem to mark a major fault					


DIAMOND DRILL HOLE LOG

HOLE No.F-2

Pg. 2 of 3

Metres		DESCRIPTION	Sample			ASSAYS			
From	To		Number	From	To	Length	% Py	ppb Au	
		<p><u>Alteration</u>:Feldspathic quartzite is pale reddish brown - probably due to alteration - contains tr diss'd Py.</p> <p><u>Mineralization</u>:tr diss'd Py in both quartzite + siltstone;</p>							
71.5	89.5	<p><u>MASSIVE MEDIUM - COARSE GRAINED DIABASE</u> Dark grey - pale green, pale pink; well developed, ophitic diabasic texture. Altered feldspar, mafic + a little dark grey metallic - (magnetite)</p> <p><u>Structure</u>: Massive uniform upper contact chilled at 30°(?) Lower contact chilled, but not found exactly.</p> <p><u>Alteration</u>:Strong pervasive alteration, most obvious in coarse grained part; Feldspar altered pale pink surrounded by relatively soft grey to pale green alt'n on scale of 2-4mm; mafics chloritized;</p> <p><u>Remarks</u>:Could be Sudbury -swarm diabase or Nipissing dyke.</p>							
89.5	100.0	<p><u>FRACTURED SILTSTONE WITH ALTERED F.G. FELDSPATHIC QUARTZITE (HURONIAN)</u></p> <p>Dark grey,silt size - feldspar - quartz rich - sections with quartz sand grains (greywacke). Hard with subconchoidal fracture 25% fine grained red brown feldspathic quartzite and/or altered siltstone.</p> <p><u>Structure</u>: Strongly fractured throughout. Mostly massive + unbedded 96.0 bedding 60°; 97.3 - 45° 90.5 -91.5 1 metre (±) lost core minor gouge. Mostly massive + unbedded; bedding at 96m - 60°; at 97.3m - 45°; hematized.</p> <p><u>Alteration</u>:feldspathic quartz sections with dull red and brown - probably hematitized with tr Py- possibly specular hematite. Some of red brown alteration is 'grid-like' i.e. fracture controlled; alteration best dev'd between 91.5-95.3</p> <p><u>Mineralization</u>:See Alteration.</p>							
			91.4	93.5	2.1	tr	2 ppb	includes	lost core
			93.5	95.3	1.8	tr	nil		
100.0		End of Hole							

DIAMOND DRILL HOLE LOG HOLE No. F-2

Metres From To	DESCRIPTION	Sample Number From To Length	ASSAYS % Py ppb Au
	<p><u>GENERAL REMARKS:</u></p> <p>(1)D.H. still in Huronian sedimentary rocks at end, and has clearly overshot any possible conductor within underlying Archean basement rocks;</p> <p>(2)A little red-brown hematite alteration with minor diss'd Py might carry gold values.</p> <p>(3)Diabase dyke 71.5 - 89.5 may intrude a significant fault as Huronian rocks. above(east of) and below (west of) the dyke are significantly different;</p> <p><u>DRILLING NOTES</u></p> <p>(1) Core Size BQ, 36mm</p> <p>(2)Hole terminated before planned depth because of broken ground at end + probably partly due to caving from uncased section of overburden, between 45.1 and 46.6m.</p> <p>(3)Casing pulled.</p> <p>(4)Hole drilled with JK Smit 300 machine.</p> <p>(5) Drilling contractor: Lachapelle Drilling, P.O. Box 477, Belle Vallee, ON, P0J 1A0, Tel/Fax: 705 647 4941</p> <p>(6) Core storage: Residence of D. Bouzane, 412 Joyal Dr., Haileybury, ON P0J 1K0; Tel: 705 672 5391</p> <p> A.W.Beecham. 8/12/97</p>		



31M13NE2001 2.18439 MULLIGAN 900

ity of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the I to review the assessment work and correspond with the mining land holder. ing Recorder, Ministry of Northern Development and Mines, 6th Floor,

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)

2.18439

Name: Don BOUZANE, Client Number: 302650, Address: 412 JOYAL DR. P.O. Box 71, HAILEYBURY, ON P0J1K0, Telephone Number: 705-672-5391, Fax Number: [blank]

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

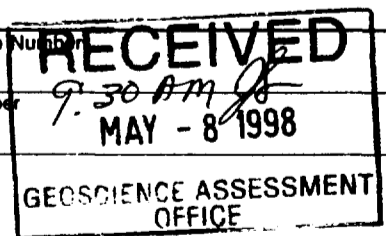
Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [] Physical: drilling, stripping, trenching and associated assays [x] Rehabilitation []

Work Type: DIAMOND DRILLING, Office Use, Commodity, Total \$ Value of Work Claimed: 12,452, Dates Work Performed: From 27/10/1997 To 5/12/1997, Township/Area: MULLIGAN TP., Mining Division: Larder Lake, Resident Geologist District: Kirkland Lake

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: A.W. BEECHAM, Telephone Number: 705-672-5023, Address: 540 RORKE AVE. Box 867 HAILEYBURY ON. P0J1K0, Fax Number: 705-672-3980, RECEIVED LARDER LAKE MINING DIVISION MAY 7 1998



4. Certification by Recorded Holder or Agent

I, DON BOUZANE, 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: D. Bouzane, Date: Apr. 28/98, Agent's Address: (as above), Telephone Number, Fax Number

Deemed AUG 5/98

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.

W9880.00298

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1150621	4	\$12,452	\$6226	\$6226	\$00
2 1186542	4		\$6226		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$12452	\$12452	\$6226	\$00

I, DON BOUZAVE (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: D. Bouzave Date: Apr. 28/98

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
9:30 AM
MAY - 8 1998
GEOLOGICAL ASSESSMENT
OFFICE

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: RECEIVED LARDER LAKE MINING DIVISION MAY 7 1998

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

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

Telephone: (888) 415-9846
Fax: (705) 670-5881

July 27, 1998

DON BOUZANE
412 JOYAL DRIVE
PO BOX 71
HAILEYBURY, ONTARIO
P0J-1K0

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

Dear Sir or Madam:

Submission Number: 2.18439

Status

Subject: Transaction Number(s): W9880.00298 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 benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.18439

Date Correspondence Sent: July 27, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00298	1150621	MULLIGAN	Deemed Approval	July 22, 1998

Section:
16 Drilling PDRILL

Correspondence to:
Resident Geologist
Kirkland Lake, ON

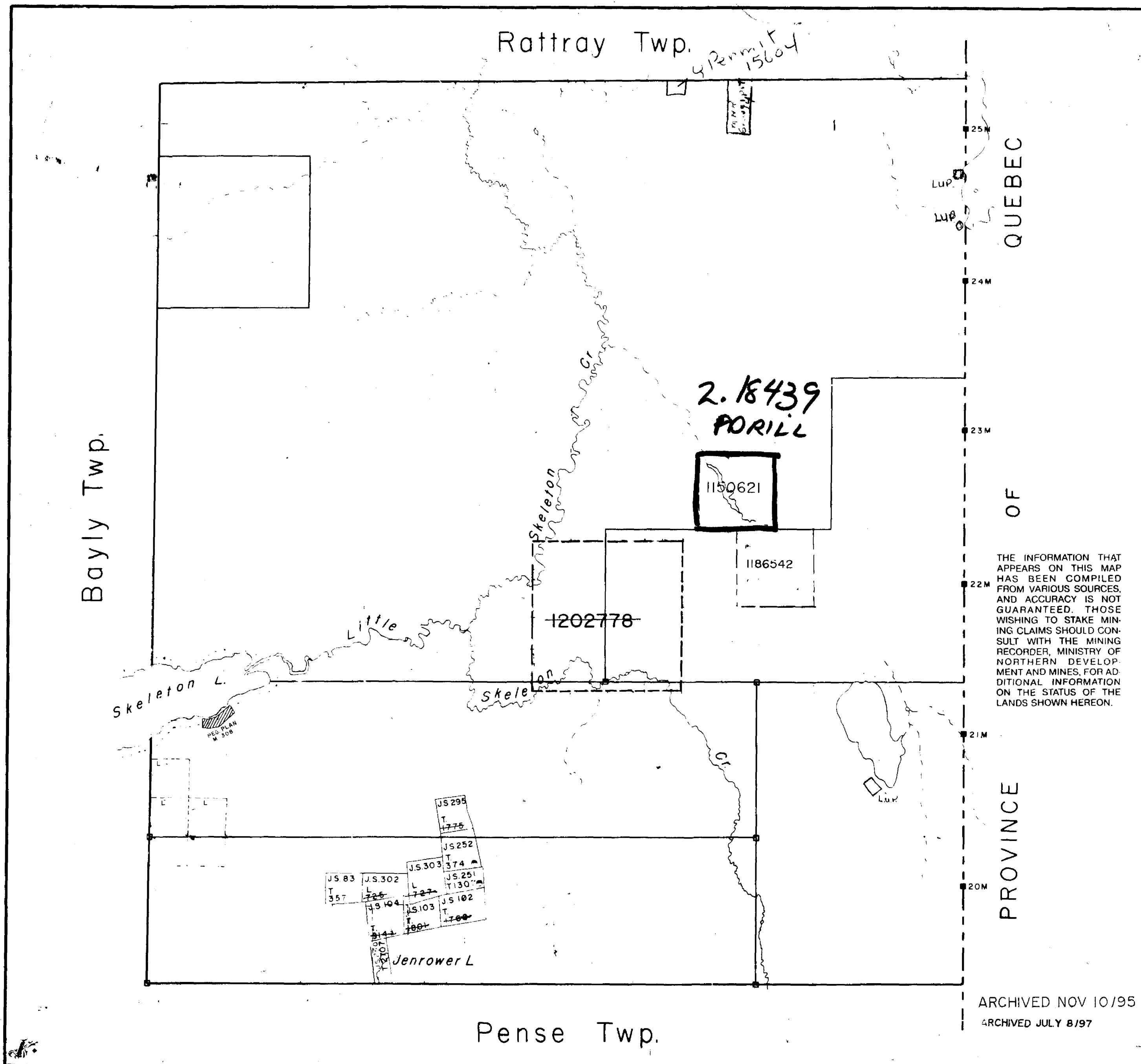
Recorded Holder(s) and/or Agent(s):
DON BOUZANE
HAILEYBURY, ONTARIO

Assessment Files Library
Sudbury, ON

W-373-M

MULLIGAN TWP.

W-373-M



THE TOWNSHIP
OF
MULLIGAN
DISTRICT OF
TIMISKAMING
LARDER LAKE
MINING DIVISION
SCALE 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	CS.
LEASES	⊙
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	LO
ROADS	—
IMPROVED ROADS	—
RAILWAYS	—
POWER LINES	—
KING'S HIGHWAY	—
MINES	⊙
MARSH OR MUSKEG	⊙
CANCELLED	⊙
PATENTED S.R.O.	⊙

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.

NOTES
400' Surface rights reservation around all lakes and rivers.

DATE OF ISSUE
JUL 06 1998
PROVINCIAL RECORDING
OFFICE - SUDBURY

PLAN NO. - M-373

ONTARIO #34
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

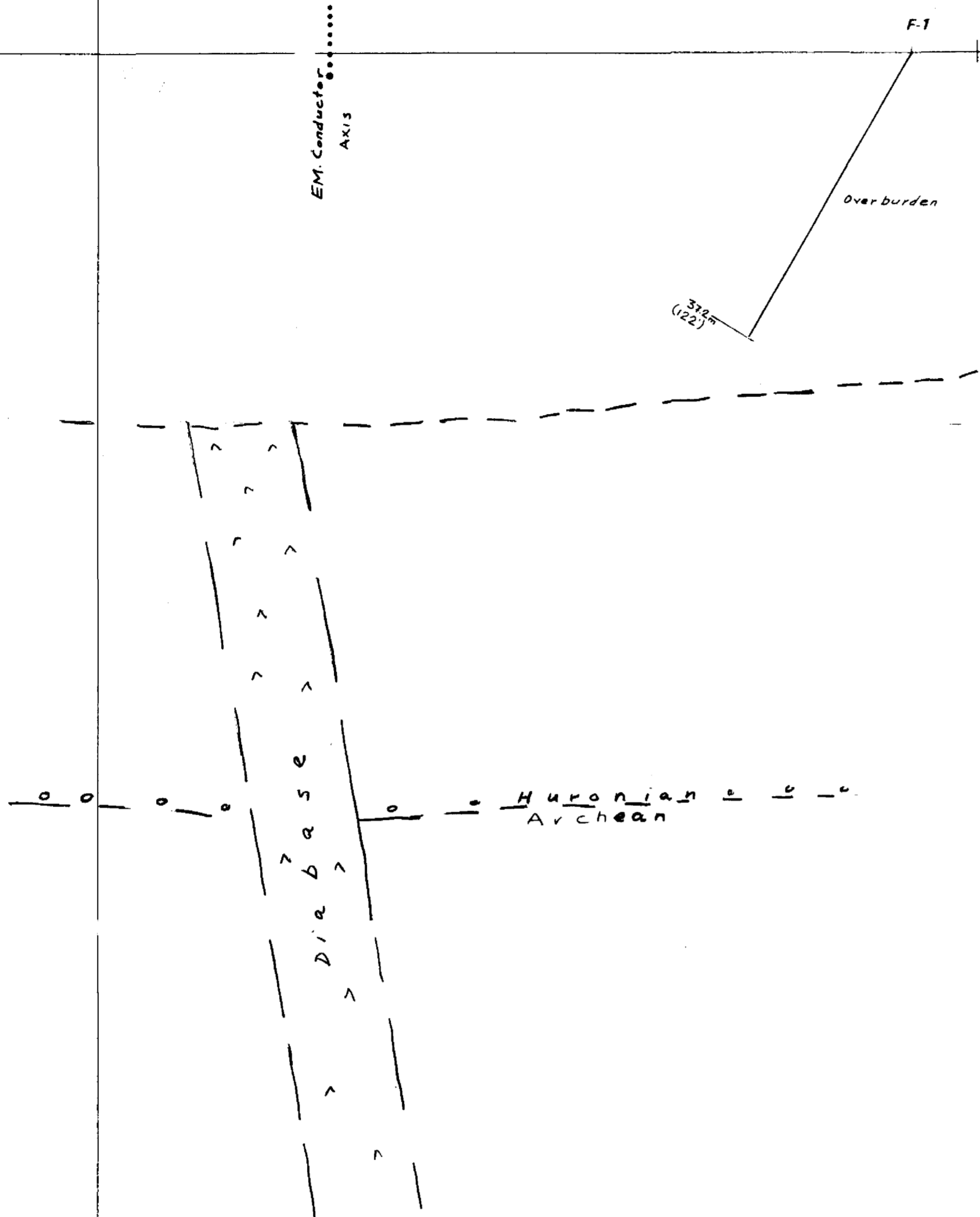
ARCHIVED NOV 10/95
ARCHIVED JULY 8/97



Baseline 0+00

1+00N

2+00N



DUPLICATE COPY

2.18439

Bouzane Property
Mulligan Township,
Dist. of Timiskaming, NE Ontario

Diamond Drill Hole Section

0+00N

Section Azimuth: 240°

Scale: 1:500

Plotted by: A.W. Beecham
Date: 9th Dec 1997

NTS
31-M-13



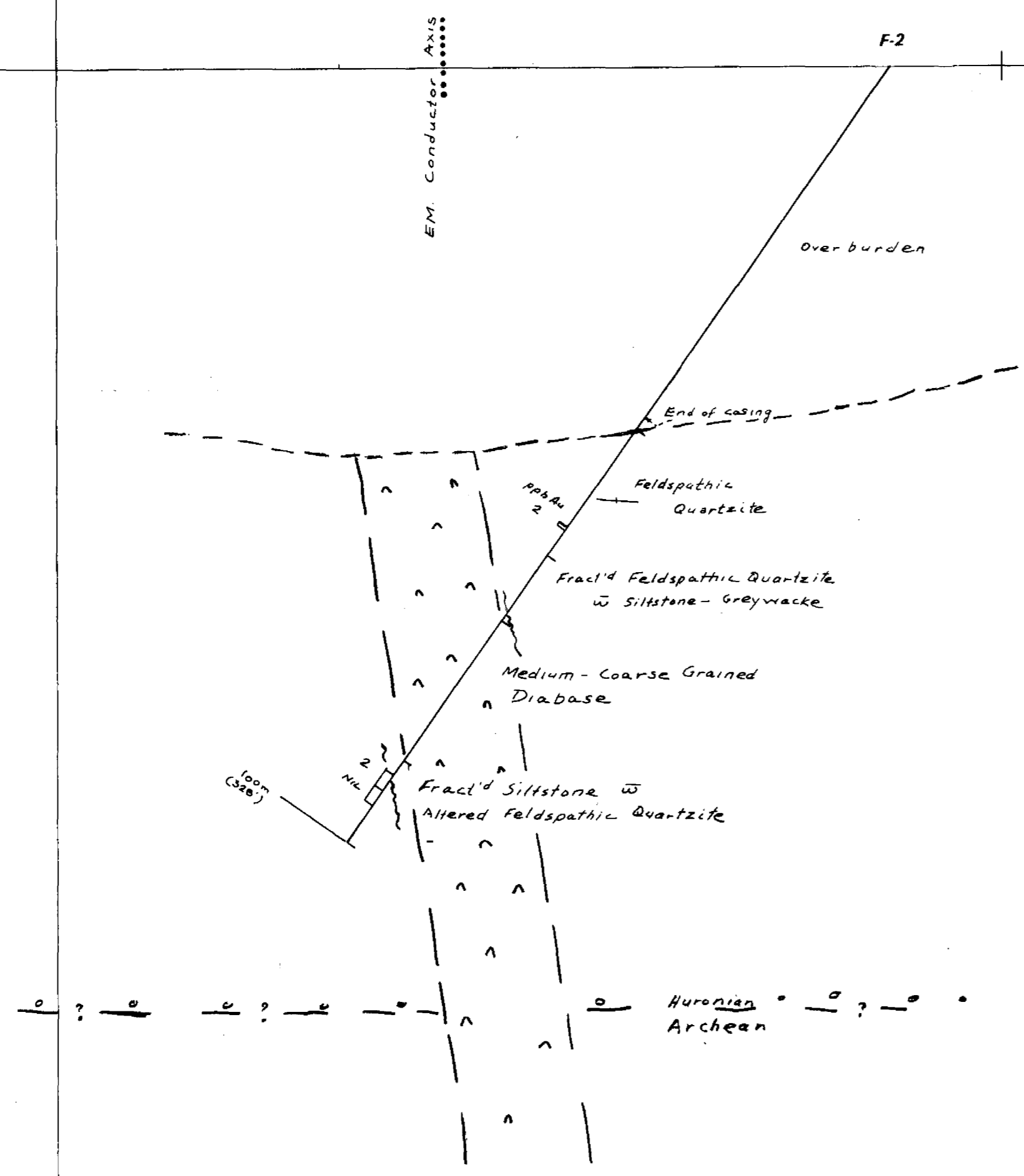
31M13NE2001 2.18439 MULLIGAN

Baseline 0 + 00

1 + 00N

2 + 00N

Datum



2.18439

Bouzane Property Mulligan Township, <i>Dist. of Timiskaming, NE Ontario</i>	
Diamond Drill Hole Section 4 + 00 ft. N (122m N) Section Azimuth: 240°	
Plotted by: A.W. Beecham Date: 9th Dec 1997	Scale: 1:500 NTS 31-M-13



31M13NE2001 2.18439 MULLIGAN