

DIAMOND DRILLING



42G04SW0217 12 WALLS

010

TOWNSHIP: Walls

REPORT No.: 12

WORK PERFORMED BY: Amax Minerals Exploration

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 549446	1039-02B-01	160.0 m	July/81	(1)
P 386846	1039-02A-02	101.0 m	Aug/81	(1)
P 549452	1039-04B-01	88.2 m	July/81	(2)
P 386844	1039-04A-02	95.3 m	July/81	(2)
P 386830	1039-05B-01	104.0 m	July/81	(3)
P 549486	1039-06B-01	66.5 m	Aug/81	(3)
P 549313	1039-08-01	90.0 m	Aug/81	(3)

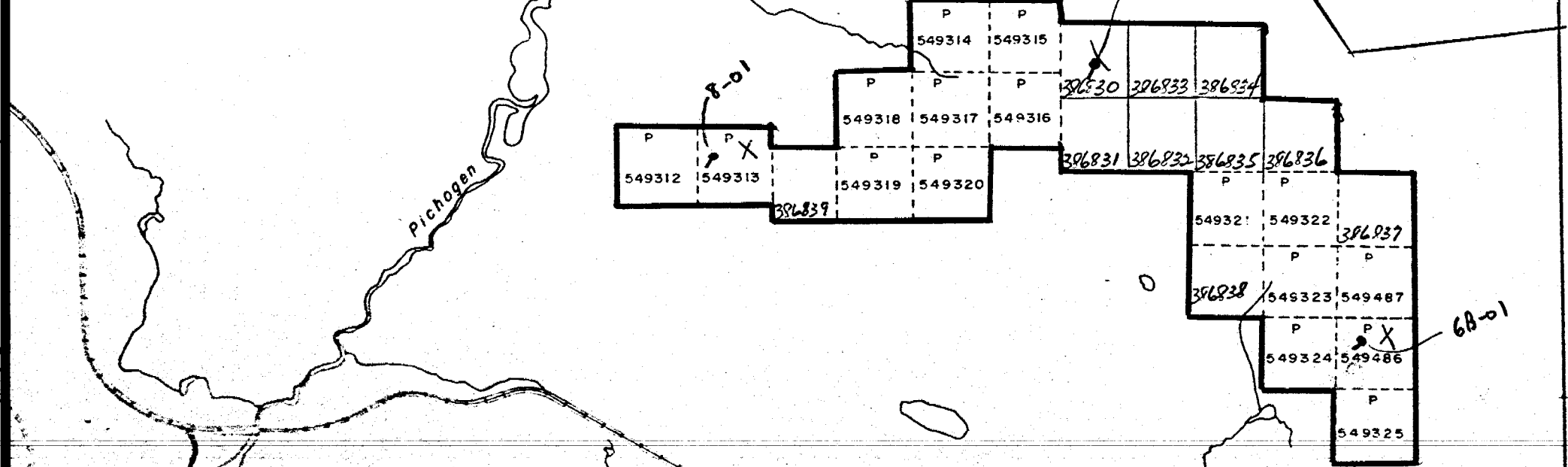
NOTES: (1) #442C-81
(2) #443B-81
(3) #444-81

6M.

Walls



4 1/2 M.



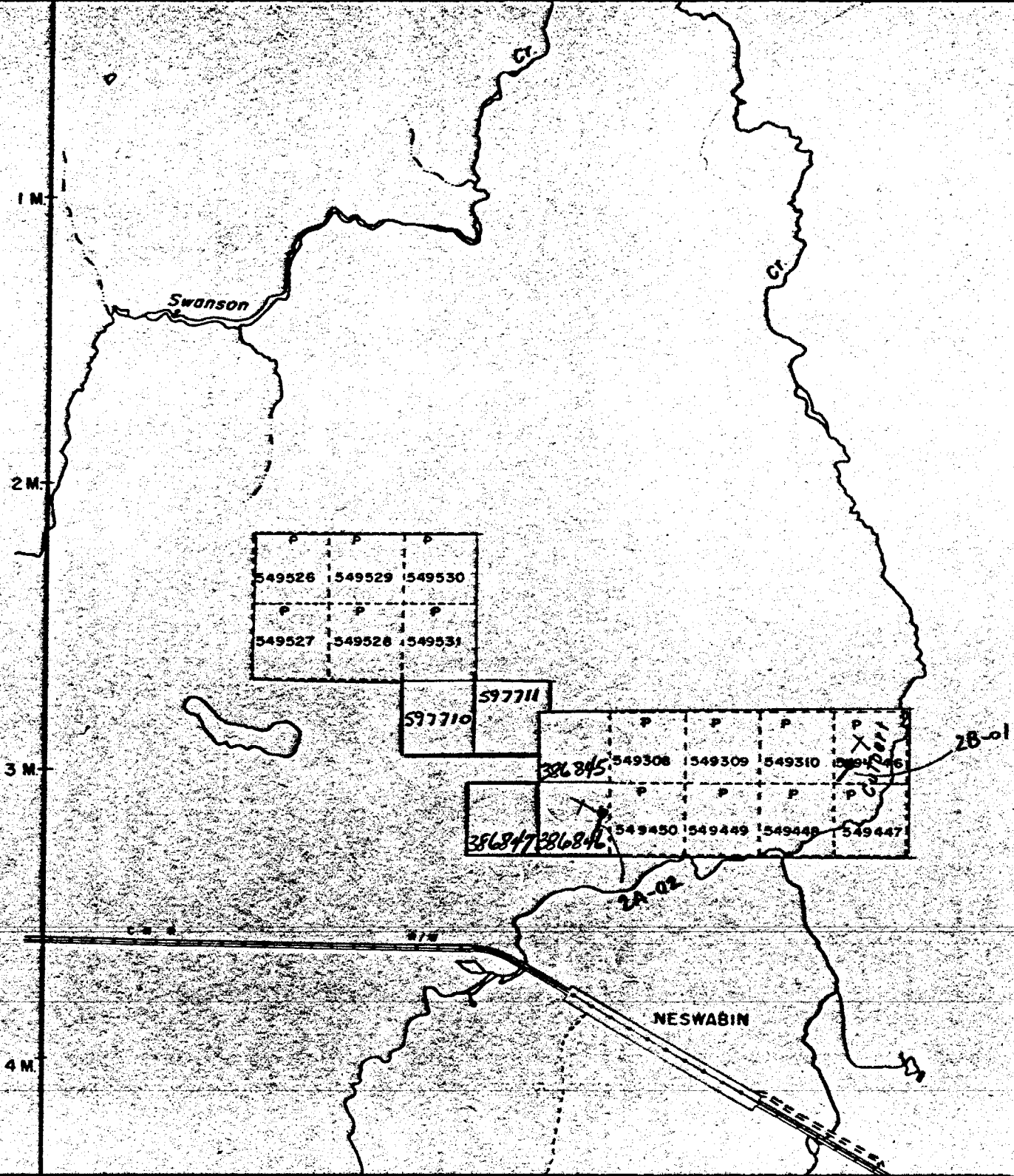
3M.



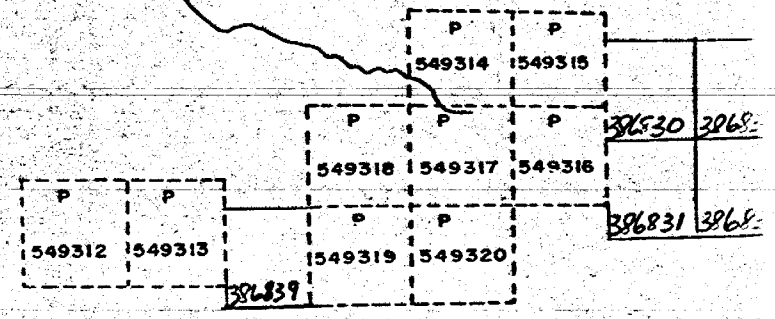
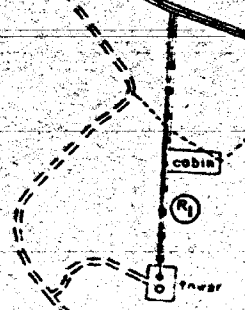
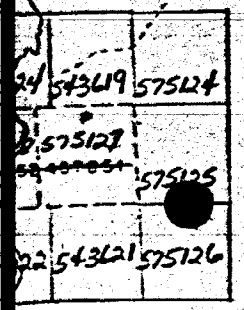
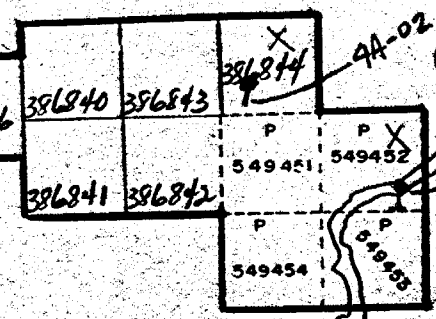
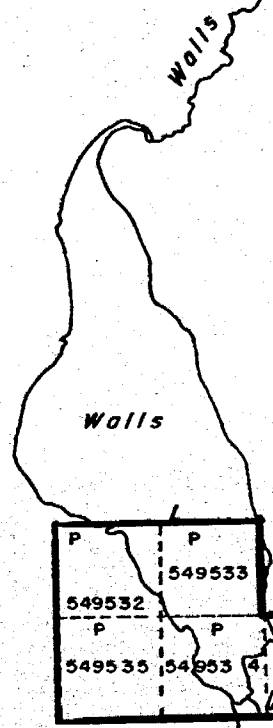
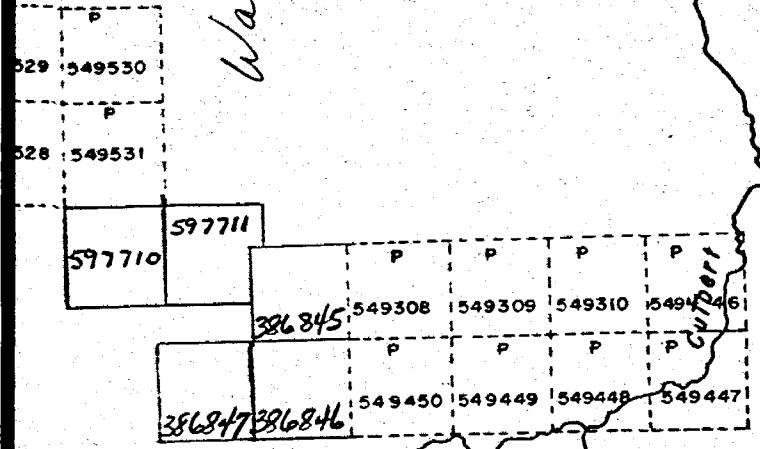
Walls Sup. # 444-81

Wells Twp. #442-81

P. M. 1271



Walla Tap.
B
443-81



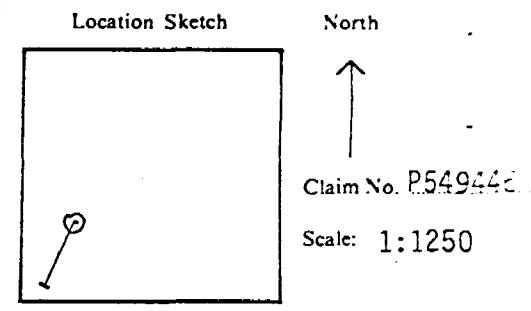
Pichogon

NESWABIN

AMAX MINERALS EXPLORATION
(A Division of Amax of Canada Limited)
DIAMOND DRILL RECORD

Hole No. 1039-02B-01

Hole No. 1039-02B-01 Sheet 1	Length 160.0 metres	Commenced July 25, 1981	Dip: Collar -45°
Property 1039-02B	Bearing 205°	Completed July 27, 1981	Etch Test Depth Rdg. True
Township Walls	Dip -45°	Drilling Co. St. Lambert	
Location L1+25W, 1+38N	Objective To evaluate E. M. anomaly	Core Size BQ	2 160.0m 52° 43°
Logged By M.E. Lavery		Casing Left/ Lost in Hole Nil	
Core Location MNR Timmins			
Remarks: E.M. anomaly caused by sulphides in biotite - chlorite meta-wacke.			

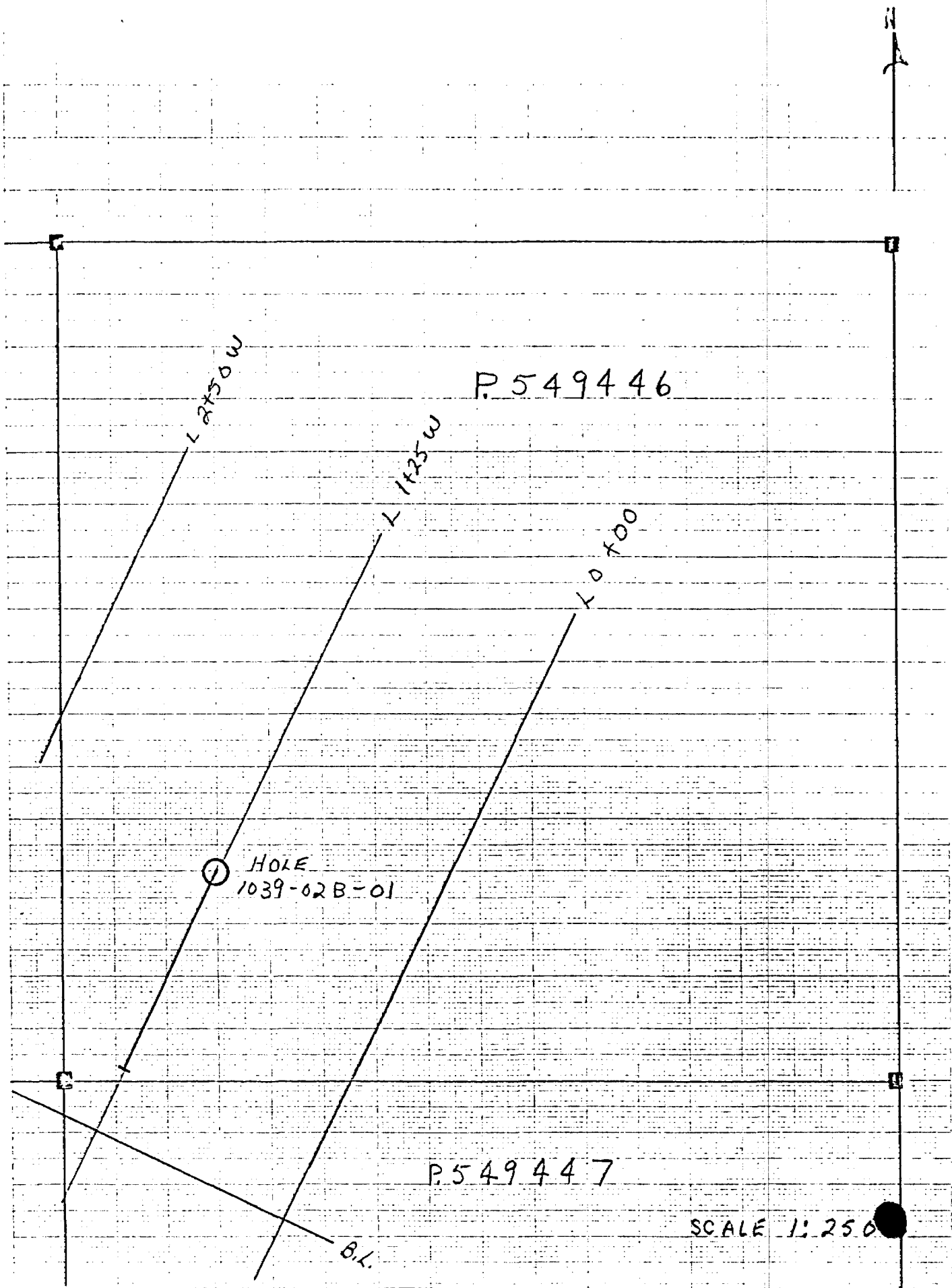


Footage-Metres		DESCRIPTION	Sample No.	From	To	Length (metres)	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	To										
0	11.00	OVERBURDEN									
11.00	15.26	BIOTITE - CHLORITE META-WACKE									
15.26	33.23	QUARTZ BIOTITE PARAGNEISSE									
33.23	82.30	BIOTITE CHLORITE META-WACKE (CONDUCTIVE IN PART)									
82.30	89.96	PEGMATITE									
89.96	160.00	BIOTITE - CHLORITE META-WACKE (CONDUCTIVE IN PART)									
	160.00	END OF HOLE									

Michael E. Lavery

46 1525

1:250 PHOTO OF CENTIMETER



P. 549446

L 2750 W

L 1135 W

L 0700

① HOLE 1039-02B-01

P. 549447

B.L.

SCALE 1:250

AMAX MINERALS EXPLORATION
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DIAMOND DRILL RECORD

Hole No. 1039-02A-02

Hole No. <u>1039-02A-02</u> Sheet <u>1</u>	Length <u>101.0 metres</u>	Commenced <u>August 4, 1981</u>	Dip: Collar <u>-45°</u>
Property <u>1039-2A</u>	Bearing <u>195°</u>	Completed <u>August 6, 1981</u>	Etch Test Depth Rdg. True
Township <u>Walls</u>	Dip <u>-45°</u>	Drilling Co. <u>St. Lambert</u>	<u>1</u> <u>101.0m</u> <u>48°</u> <u>39°</u>
Location <u>11+25E, 0+88S</u>	Objective <u>To evaluate E.M. anomaly</u>	Core Size <u>BQ</u>	
Logged By <u>M.E. Lavery</u>		Casing Left/Lost in Hole <u>Nil</u>	
Core Location <u>MNR Timmins</u>			

Location Sketch North

↑

North

Claim No. P386846

Scale: 1:1250

Remarks E.M. anomaly caused by graphite in siliceous argillite

Footage/Metres		DESCRIPTION	Sample No.	From	To	Length (metres)	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	To										
0	26.20	OVERBURDEN									
26.20	34.50	BIOTITE - CHLORITE META-WACKE									
34.50	35.96	CARBONATE - QUARTZ VEIN									
35.96	37.75	BIOTITE - CHLORITE META-WACKE									
37.75	39.80	QUARTZ - CARBONATE VEIN									
39.80	55.80	BIOTITE - CHLORITE META-WACKE									
55.80	56.58	SILICEOUS GRAPHITIC ARGILLITE (CONDUCTOR)									
56.58	60.10	TALC - CHLORITE SCHIST									
60.10	73.12	SERPENTINITE									
73.12	87.39	META - BASALT									
87.39	91.19	AMPHIBOLITE									
91.19	92.51	GRANITE DYKE									
92.51	101.00	META - BASALT									
101.00	101.00	END OF HOLE									

Mitchell E. Lavery

P 386845

P 386846

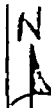
HOLE 1039-02A-02

BL

L 0400

L 1425E

SCALE 1:2500



46 1500

1:2500 10 X 10 TO THE CENTIMETER 1:2500
K&T SURVEY & ENGINEERING

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DIAMOND DRILL RECORD

Hole No. 1039-04B-01

Hole No. 1039-04B-01 Sheet 1	Length 88.2 metres	Commenced July 19, 1981	Dip: Collar -45°
Property 1039-04B	Bearing 190°	Completed July 20, 1981	Etch Test Depth Rdg. True
Township Walls	Dip -45°	Drilling Co. St. Lambert	
Location L1+25E, 1+10N	Objective To evaluate E.M. anomaly	Core Size BQ	88.2 m
Logged By M.E. Lavery		Casing Left/ Lost in Hole Nil	95.3 m
Core Location M.N.R. Timmins			

Location Sketch

North

Claim No. P549452
Scale: 1:1250

Remarks E. M. anomaly caused by graphitic argillite.

Footage/ Metres		DESCRIPTION
From	To	
0	4.00	OVERBURDEN
4.00	40.40	MAFIC TUFF
40.40	40.70	RHYOLITE
40.70	43.75	MAFIC TUFF
43.75	44.18	RHYOLITE TUFF
44.18	50.65	MAFIC TUFF
50.65	51.00	BIOTITE META-ARKOSE
51.00	54.95	MAFIC TUFF
54.95	56.24	GRAPHITIC ARGILLITE (CONDUCTOR)
56.24	58.60	FELSIC CRACKLE BRECCIA
58.60	69.48	MAFIC TUFF
69.48	70.08	RHYOLITE TUFF
70.08	88.20	MAFIC TUFF
	88.20	END OF HOLE

M. E. Lavery

10 X 10 TO THE CENTRE FOR...
MAY 1953



P. 549452

L 2750W

L 1725W

L 0400

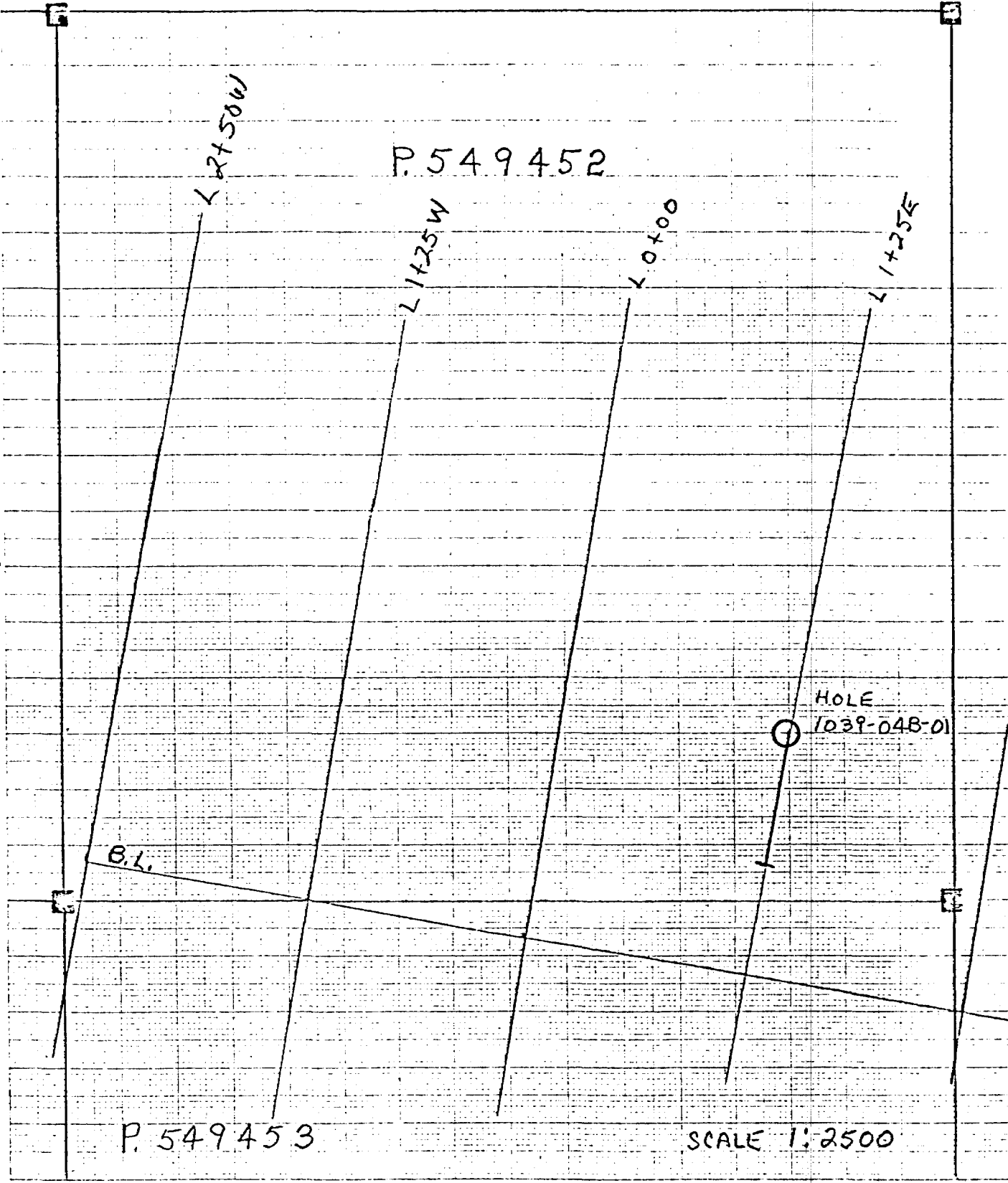
L 1725E

B.L.

HOLE
1039-048-01

P. 549453

SCALE 1:2500



AMAX MINERALS EXPLORATION
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DIAMOND DRILL RECORD

Hole No. 1039-04A-02

Hole No. 1039-04A-02 Sheet 1	Length 95.30 metres	Commenced July 22, 1981	Dip: Collar -45°
Property 1039-04A	Bearing 190°	Completed July 23, 1981	Etch Test Depth Rdg. True
Township Walls	Dip -45°	Drilling Co. St. Lambert	
Location L6+25W, 1+50N	Objective To evaluate E.M. anomaly	Core Size BQ	
Logged By M.E. Lavery		Casing Left/ Lost in Hole Nil	
Core Location M.N.R. Timmins			

Location Sketch

North

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Claim No. P386844

Scale: 1:1250

Remarks E.M. anomaly caused by graphitic argillite.

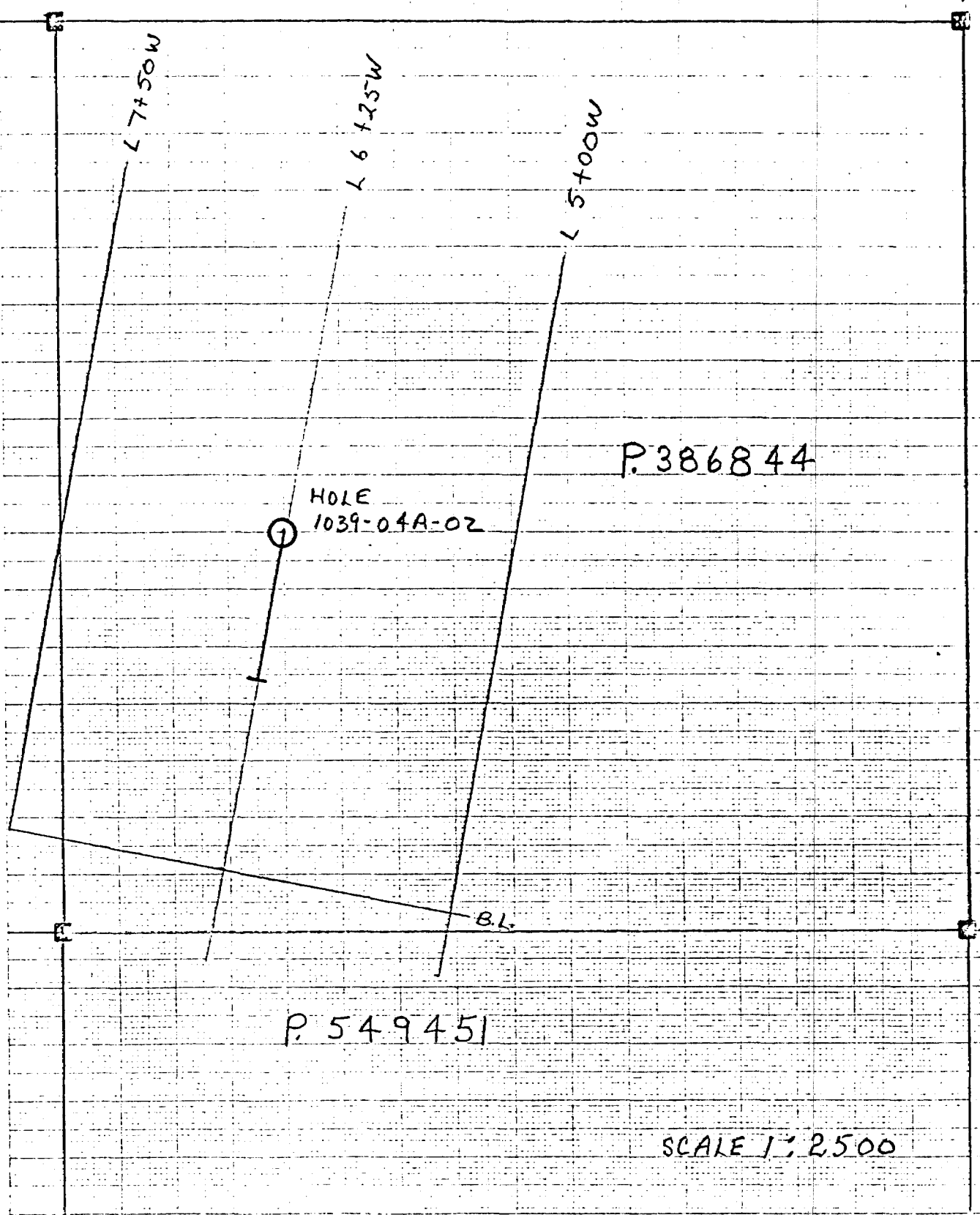
Footage/ Metres		DESCRIPTION	Sample No.	From	To	Length (metres)	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm
From	To											
0	22.10	OVERBURDEN										
22.10	22.25	QUARTZ BIOTITE PARAGNEISSE										
22.25	62.35	MAFIC TUFF										
62.35	67.12	SERPENTINITE										
67.12	72.38	META-BASALT										
72.38	79.66	MAFIC TUFF (CONDUCTIVE IN PART)										
79.66	80.92	GRAPHITIC ARGILLITE (CONDUCTOR)										
80.92	89.00	RHYOLITE TUFF										
89.00	95.30	META-BASALT										
	95.30	END OF HOLE										

M. E. Lavery



46 1503

1:2500



P. 386844

HOLE
1039-0.4A-02

B.L.

P. 549451

SCALE 1:2500

AMAX MINERALS EXPLORATION
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DIAMOND DRILL RECORD

Hole No. 1039-05B-01

Hole No. 1039-05B-01 Sheet 1	Length 104.0m	Commenced July 31, 1981	Dip: Collar -50°
Property 1039-05B	Bearing 205°	Completed August 3, 1981	Etch Test Depth Rdg. True 1 104.0m 56° 47°
Township Walls	Dip -50°	Drilling Co. St. Lambert	
Location L1+25W, 3+87S	Objective To evaluate E.M. anomaly	Core Size BQ	Casing Left/Lost in Hole Nil
Logged By M.E. Lavery			
Core Location MNR Timmins			

Location Sketch North

↑

Claim No. P386830

Scale: 1:1250

Remarks E.M. anomaly caused by sulphides in siliceous argillite

Footage/Metres		DESCRIPTION
From	To	
0	2.2	OVERBURDEN
2.2	18.95	BIOTITE - CHLORITE META-WACKE
18.95	21.42	META - GREYWACKE
21.42	22.52	FELSIC TUFF
22.52	75.70	BIOTITE - CHLORITE META-WACKE
75.70	104.00	SILICEOUS ARGILLITE (CONDUCTIVE IN PART)
	104.00	END OF HOLE

Mitchell E. Lavery

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DIAMOND DRILL RECORD

Hole No. 1039-15B-01
Sheet No. 3

Footage - Metres		DESCRIPTION
From	To	
22.52	75.70	BIOTITE - CHLORITE META-WACKE
		- green to greenish grey
		- fine to medium grained
		- same composition as above biotite - chlorite meta-wacke
		- Contains numerous interbeds of meta-greywacke 3cm to 4m.
		- Garnetiferous wherever mafic rich layers occur.
		- felsic tuff layer 31.55 metres to 32.24
		- massive po, minor py - a few grains of cpy - 22.98 to 23.01 metres, 23.37 to 23.41
		- Foliation 77° to core axis at 23.5 metres.
		" 80° to core axis at 29.0 metres.
		" 76° to core axis at 35.0 metres.
		" 80° to core axis at 48.5 metres.
		" 86° to core axis at 56.0 metres.
		- Narrow carbonate veins 39.85 to 39.92 metres, 40.07 to 40.11 metres.
		- Contains rare elongate fragments of quartz.
		- Carbonate occurs on scattered partings of foliation.
		- Numerous layers of brown biotite throughout parallel to foliation.
		- Large po mass to 2cm at 69.96 metres.
		- Rare stringers and clots of po with minor py after 70.0 metres.
		- broken lower contact
75.70	104.0	SILICEOUS ARGILLITE (CONDUCTIVE IN PART)
		- banding - black and white-first part banding is fissile
		- fine grained
		- Contains narrow .3 metre interbeds of felsic tuff and greywacke.
		- Talc developed on numerous fracture surfaces.
		- Numerous narrow green bands where chlorite alteration is more pervasive.
		- moderate sericite alteration within siliceous section
		- numerous hairline stringer parallel to foliation - conductive
		- Irregular mass of po - with minor py - 96.21 to 96.25.
		- bottom section becomes more siliceous
		- Foliation 76° to core axis at 80.0 metres.
		" 60° to core axis at 85.0 metres.
		" 65° to core axis at 104.0 metres.
		Intense folding at 87.0 to 87.18, evident by numerous changes in foliation over a very short core length and circular structures.

46 1503

1:2500 10 X 10 TO THE CENTERLINE



P. 386830

HOLE
1039-05B-01

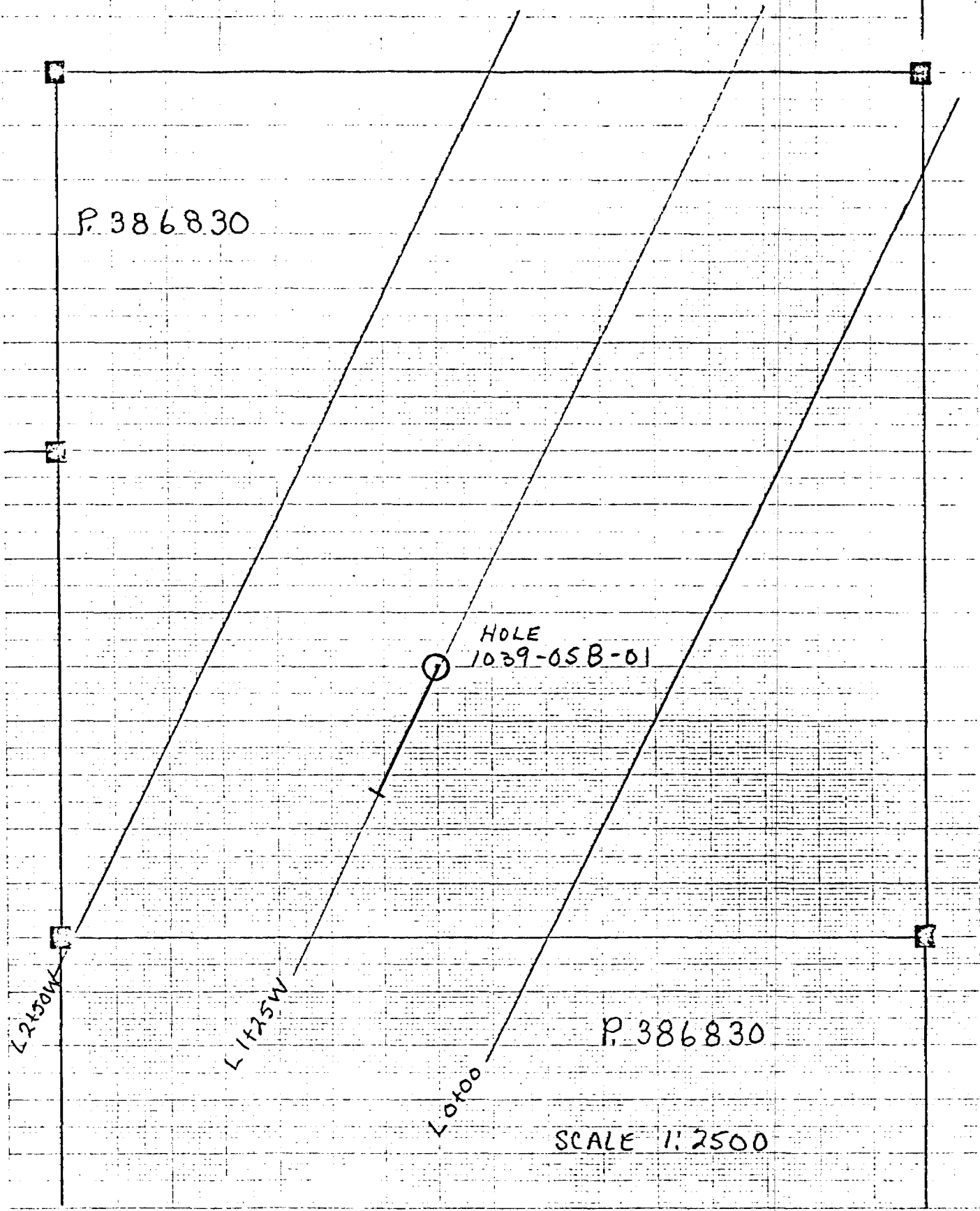
L2150W

L1725W

L0400

P. 386830

SCALE 1:2500




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DIAMOND DRILL RECORD

Hole No. 1039-06B-01

Hole No. 1039-06B-01 sheet 1	Length 66.5m	Commenced August 10, 1981	Dip: Collar -45°
Property 1039-06B	Bearing 245°	Completed August 11, 1981	Etch Test Depth Rdg. True
Township Walls	Dip -45°	Drilling Co. St. Lambert	1 66.0m 53° 45°
Location L0+00, 0+32S	Objective To evaluate E.M. anomaly	Core Size B.Q.	Casing Left/ Lost in Hole Nil
Logged By M. E. Lavery			
Core Location MNR Timmins			
Remarks E.M. anomaly caused by Po-Py zones within metasediments.			

Location Sketch



North ↑

Claim No. P549486

Scale: 1:1250

Footage/ Metres		DESCRIPTION
From	To	
0	25.49	OVERBURDEN
25.49	66.50	META - GREYWACKE (CONDUCTIVE IN PART)
	66.50	END OF HOLE

Mitchell E. Lavery

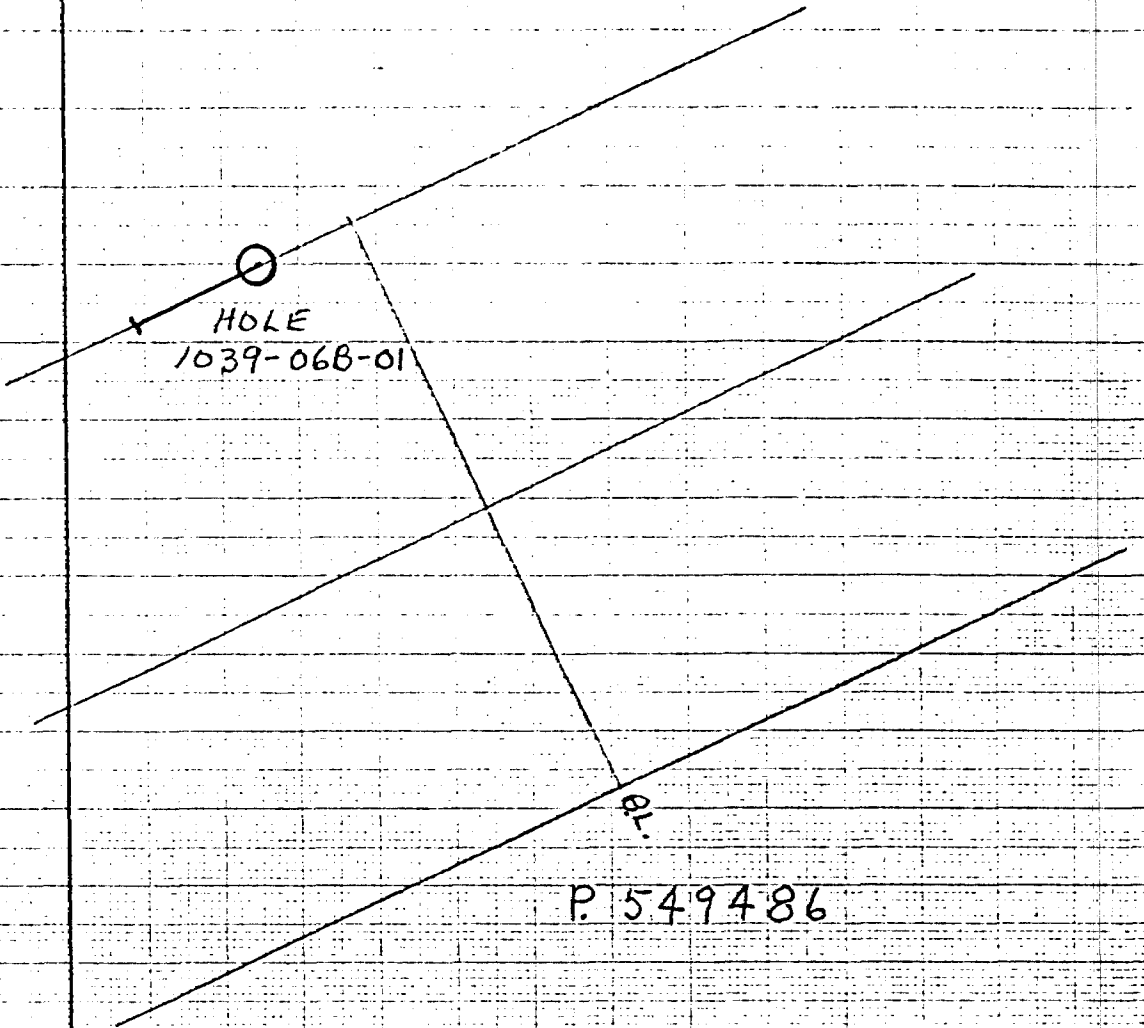
AMAX MINERALS EXPLORATION
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DIAMOND DRILL RECORD

Hole No. 1039-06B-01

Sheet No. 2

Footage - Metres		DESCRIPTION	S ₆
From	To		
0	25.49	OVERBURDEN	
		sand, gravel, boulders and clay	
25.49	66.50	META - GREYWACKE (INTERBEDDED BIOTITE- CHLORITE META - WACKE)	
		- grey to green colour	D2
		- fine to course grained	D2
		- Garnetiferous 10%, scattered snowball garnets to 3cm. Throughout - usually within the more mafic layers - 25.49 to 32.0 metres.	D2
		- Composed of 60% quartz, 10% garnet, 20% biotite, 5% feldspar, 5% chlorite overall.	
		- Layering ranges from very fissile to 4cm - some have a crenulation cleavage developed at 90°.	
		- Minor carbonate veins cutting core at very high angles.	
		- Foliation 88° to core axis at 26.0 metres.	
		" 81° to core axis at 29.4 metres.	
		- 32.0 to 33.0 metres - 10% pyrite with minor Po as hairline stringers parallel to foliation and within fractures.	
		- 32.0 to 35.07 - sulphide rich zone - conductive zone - 50% Po - Py 30%, 20% Po.	
		- Po and Py occurs as stringers blebs and large irregular masses.	
		- Sulphide rich section appears more siliceous.	
		- Foliation 68° to core axis at 49.60 metres.	
		" 85° to core axis at 58.50 metres.	
		- Po zone 49.73 to 49.96 metres - Po 60% - a few grains of cpy - Po forms matrix containing subrounded more siliceous fragments.	
		- Possibly more chloritized below sulphide zones.	
	66.50	END OF HOLE	

P. 549487



P. 549486

SCALE 1:2500

46 1523

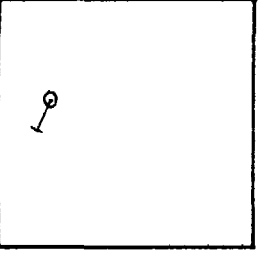
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AMAX MINERALS EXPLORATION
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DIAMOND DRILL RECORD

Hole No. 1039-08-01

Hole No. 1039-08-01 Sheet 1	Length 90.0m	Commenced August 8, 1981	Dip: Collar -50°
Property 1039-08	Bearing 205°	Completed August 9, 1981	Etch Test Depth Rdg. True
Township Walls	Dip -50°	Drilling Co. St. Lambert	1 90.0m 49° 40°
Location L1+25E, 0+50N	Objective To evaluate E.M. anomaly	Core Size BQ	Casing Left/ Lost in Hole Nil
Logged By M.E. Lavery			
Core Location MNR Timmins			
Remarks E.M. anomaly caused by graphite within siliceous argillite			

Location Sketch North



Claim No. P549313
Scale: 1:1250

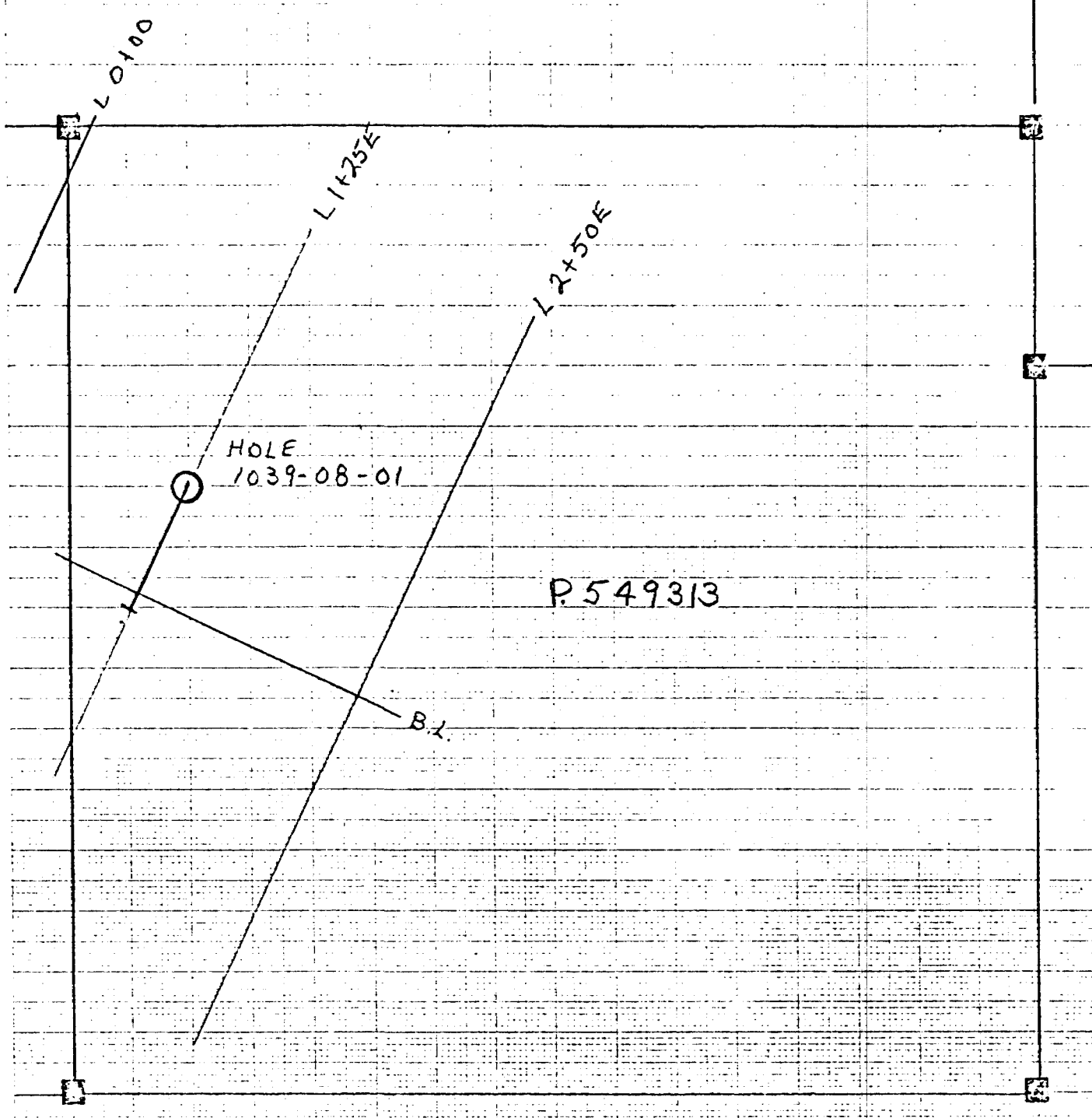
Footage/ Metres		DESCRIPTION	Sample	From	To	Length	Au	Ag	Cu	Pb	Zn
From	To										
0	1.8	OVERBURDEN									
1.8	6.85	QUARTZ - FELDSPAR PORPHYRY TUFF									
6.85	12.24	META - GREYWACKE									
12.24	21.53	QUARTZ - FELDSPAR PORPHYRY TUFF									
21.53	36.64	INTERBEDDED META - GREYWACKE AND FELSIC TUFF									
36.64	39.03	MAFIC TUFF									
39.03	53.14	INTERBEDDED META - GREYWACKE AND FELSIC TUFF									
53.14	72.02	GARNETIFEROUS META - BASALT									
72.02	74.65	META - GREYWACKE									
74.65	78.59	SILICEOUS ARGILLITE (CONDUCTIVE IN PART)									
78.59	83.47	GARNETIFEROUS BIOTITE - CHLORITE META-WACKE									
83.47	89.33	SILICEOUS ARGILLITE									
89.33	90.00	FELSIC TUFF									
	90.00	END OF HOLE									

Mitchell E. Lavery

46 1503

PLATE NO. 10 TO THE CENTERED 1
NO. 1011 W. L. 1000

N
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P. 549313

SCALE 1:2500