42A01SE0142 15 OTTO

DIAMOND DRILLING

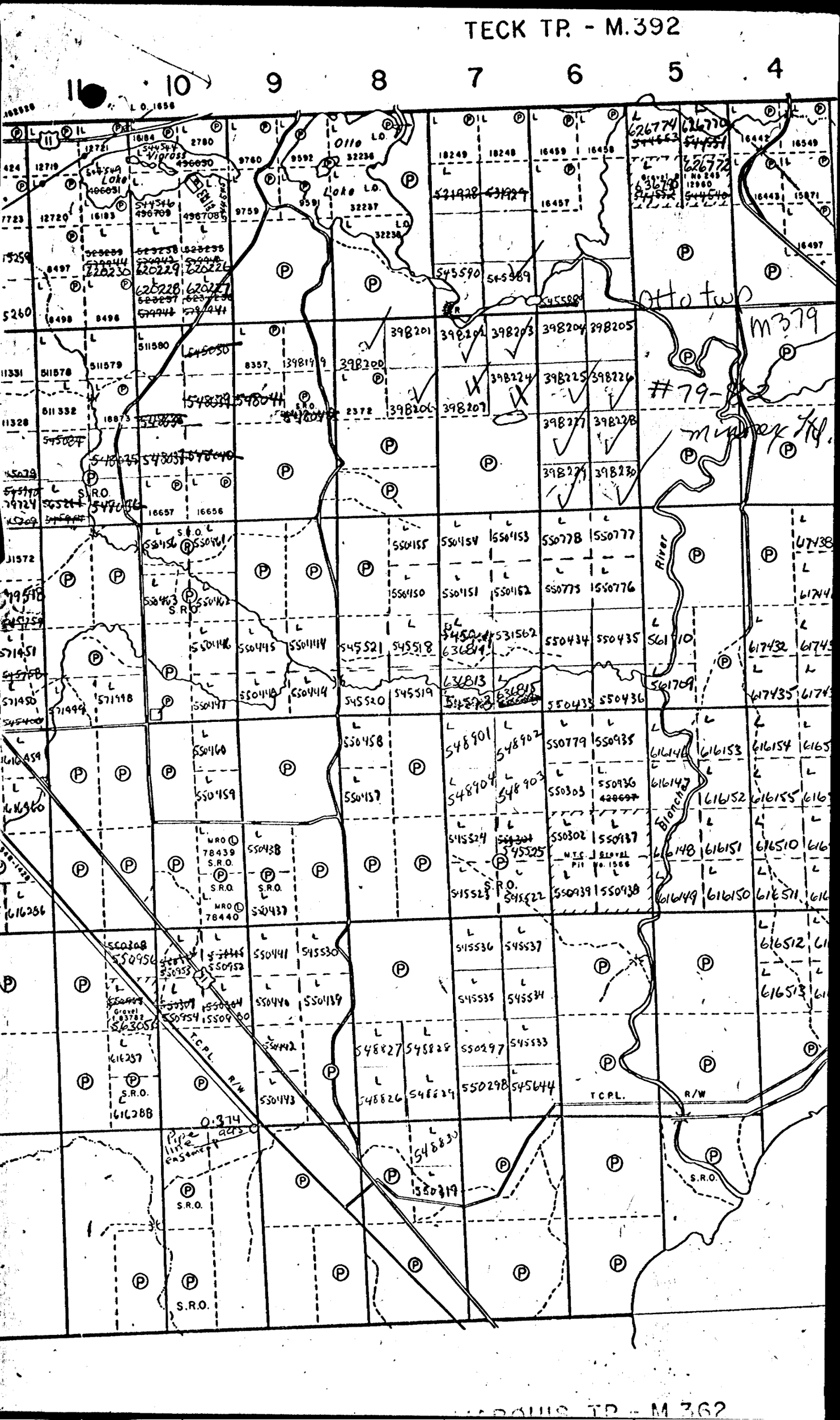
TOWNSHIP: Otto

REPORT NO.: 15

WORK PERFORMED BY: Minorex Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 398224	BR-80-1	324.0	Nov/80	(1)
L 398224	BR-80-2	213.0	Nov/80	(1)
L 398207	BR-80-3	207.0	Nov/80	(1)
L 398207	BR-80-4	215.0	Nov/80	(1)

NOTES: (1) #79-82


TECK TP. - M.392
11
10
9
8
7
6
5
4
Otto twp
M379
#79-
Vigross Lake
Lake
Blanche River
S.R.O.
MRO 78439
MRO 78440
Pit No. 1566
Gravel
T.C.P.L.
R/W
Pipe line easement
0.374 acres

DIAMOND DRILL RECORD

CONTRACTOR: HEATH & SHERWOOD DIAMOND DRILLING

APPENDIX «B»

NAME OF PROPERTY: BLANCHE RIVER, OTTO TOWNSHIP

HOLE NO. K.L.B.R. #1 LENGTH 324 feet

LOCATION Line 4+00W 12+50S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 180° DIP -45°

STARTED November 1/1980 FINISHED November 19/1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. BR-80-1 SHEET NO. 1

REMARKS 1980

LOGGED BY Kevin Austin

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS % Cu	ASSAYS % Pb	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	ASSAYS % Zn
0	33.0'	Graphitic tuff, fine grained, finely laminated, dark grey to black in color, pyrite and pyrrhotite mineralization, 5%, occurring along laminea and in fractures. Contact with underlying unit is gradational	2402		20.1'	25.1'	5.0'	.01	.01	T	T	.04
33.0'	104.8'	Felsic tuff with some chloritized mafic laminea. Finely laminated, brown-grey to green-grey. Brecciated section from 67' to 69' is mineralized with approximately 40% sulfide, pyrite and pyrrhotite. Sulfides also occur disseminated throughout the core and in fractures. A massive, fine grained, green grey diorite intrudes from 91.0' to 93.3' and 96.0' to 97.0'. The contacts of the diorite are sharp and strike parallel to the laminea.	2403		66.0'	71.0'	5.0'	.005	.005	T	T	.006
			2404		89.0'	94.0'	5.0'	.006	.003	T	T	.005
104.8'	122.0'	Graphitic tuff, finely laminated, fine grained, dark grey to black, 5% sulfides occur along fracture planes. Minor graphite occurs along fracture planes and shears. Several veinlets of white feldspar are present.	2405		119.0'	124.0'	5.0'	.004	.003	T	T	.012
122.0'	152.3'	Felsic tuff finely laminated, fine grained, brown-grey to green-grey. Some chloritized mafic laminea are present. Sulfides occur finely disseminated and in fractures. 5% sulfides. From 132.0' to 133.8' sulfides 10%.	2406		130.0'	135.0'	5.0'	.005	.004	T	T	.015
152.3'	156.0'	Felsic tuff massive looking, very fine grained, pink-brown to grey color. Mafic material absent. Less than 1% sulfides.										
156.0'	166.0'	Mafic tuff, grey-brown to green, finely laminated, chloritized, core blocky. Less than 2% sulfides.										
166.0'	295.8'	Tuff, well laminated, dark green-grey to pink-white color. Many of the laminea contain up to 40% white feldspar porphyroblasts 2mm to 5mm in diameter. Also noted are several large (up to 20mm long) intermediate to mafic fragments. Minor sulfides occur finely disseminated, less than 1%	2407		191.6'	196.6'	5.0'	.006	.003	T	.03	.004

EM. 6-1168

LANGRIDGE LIMITED,

DIAMOND DRILL RECORD

APPENDIX "B"

NAME OF PROPERTY BLANCHE RIVER PROPERTY, OTTO TWP

HOLE NO. K.L.B.R. #1 SHEET NO. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS % Cu	ASSAYS % Pb	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	ASSAYS % Zn
166.0	295.8'	Cont'd A diorite dike intrudes from 276.0' to 293.0', is massive, coarse grained, chloritized. Contacts are sharp with broad chill margins.										
295.8'	324.0'	Felsic tuff, fine grained, finely laminated, pink-brown to green-grey. Contact with above unit sharp. Less than 1% sulfides present.										

DIAMOND DRILL RECORD

CONTRACTOR: HEATH & SHERWOOD DIAMOND DRILLING

APPENDIX «B»

NAME OF PROPERTY: BLANCHE RIVER, OTTO TOWNSHIP

HOLE NO. K.L.B.R. #2 LENGTH 213 feet

LOCATION Line 4+00W 10+50S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 0° DIP -43°

STARTED November 20/1980 FINISHED November 22/1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. BR-80-2 SHEET NO. 1

REMARKS 1980

LOGGED BY Kevin Austin

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS % Cu	ASSAYS % Pb	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	ASSAYS % Zn
0	15.0'	Felsic tuff very finely laminated, fine grained, white to dark green. Not mineralized.										
15.0'	169.5'	Felsic tuff laminated to massive, light green to grey-brown. 50.3' to 50.7' is a small diorite intrusion, fine grained with sharp contacts. 57.6' to 62.9' Diorite, massive, porphyritic, phenocrysts of chloritized minerals up to 5mm in diameter. A 1.5" quartz vein in this diorite, at 58.9', contains a few grains of pyrite. From 126.9' to 133.5' is a finely laminated grey tuff containing 40% pyrite.	2408		58.3'	59.5'	1.2'	.007	.006	T	.03	.004
			2409		126.10'	131.10'	5.0'	.01	.01	T	T	.01
			2410		153.7'	158.7'	5.0'	.01	.004	T	T	.01
169.5'	175.5'	Mafic tuff, coarse grained with clasts up to 30mm in diameter. Dark green, chloritized and not mineralized. Clasts angular in shape and chloritized. Contacts with above and below units sharp.										
175.5'	213.0'	Interbedded mafic and felsic tuff, finely laminated and fine grained. The mafic tuff is chloritized. Sulfide mineralization less than 1%.	2411		186.2'	187.5'	1.3'	.006	.003	T	T	.007
			2412		194.0'	197.0'	3.0'	.005	.004	T	T	.006

EM. 6-1168

LANGRIDGE LIMITED,

DIAMOND DRILL RECORD

CONTRACTOR: HEATH & SHERWOOD DIAMOND DRILLING

NAME OF PROPERTY: BLANCHE RIVER, OTTO TOWNSHIP

HOLE NO. K.L.B.R. #3 LENGTH 207 feet

LOCATION Line 16+00W 10+25S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 0° DIP -45°

STARTED November 23/1980 FINISHED November 28/1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. BR-80-3 SHEET NO. 1

REMARKS 1980

LOGGED BY Kevin Austin

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	207.0'	Tuff, laminated, fine grained, felsic, green-grey to brown-grey color. Brecciated zones 16.0' to 19.0' and 21.9' to 24.0' contain 70 to 80% sulfides, pyrite and pyrrhotite. From 43.0' to 44.4' is an intrusive diorite, grey-green in color, fine grained, massive, with sharp chilled contacts running parallel to the bedding in the tuff. Phenocrysts of a mafic mineral up to 2mm in length are visible in the diorite. Quartz veins occur at:- 58.0' - 3/8" thick, contains minor pyrite 104.0' - 1/4" thick, contains minor pyrite 134.3' - 2" thick, barren 138.4' - 3" thick, barren 176.5' - 2" thick, barren

SAMPLE NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS % Cu	% Pb	OZ/TON Au	OZ/TON Ag	% Zn
2413		15.6'	20.6'	5'	.02	.006	.005	.03	.034
2414		32.6'	37.6'	5'	.01	.004	T	T	.024
2415		57.8'	58.5'	.7'	.004	.005	T	T	.012
2416		62.4'	67.4'	5'	.006	.005	T	T	.011
2417		86'	91'	5'	.006	.005	T	.02	.011
2418		103.7'	104.2'	.5'			T	T	
2419		134'	134.5'	.7'			T	.02	
2420		138'	138.8'	.8'			T	T	
2421		176'	177'	1'			T	T	

EM. 6-1168

LANGRIDGE LIMITED,

DIAMOND DRILL RECORD

CONTRACTOR: HEATH & SHE[illegible]OOD DIAMOND DRILLING

APPEND[illegible]«B»

NAME OF PROPERTY: BLANCHE RIVER, OTTO TOWNSHIP

HOLE NO. K.L.B.R. #4 LENGTH 215 feet

LOCATION Line 16+00W 11+50S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 0° DIP -44°

STARTED November 29/1980 FINISHED November 30/1980

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. BR-80-4 SHEET NO. 1

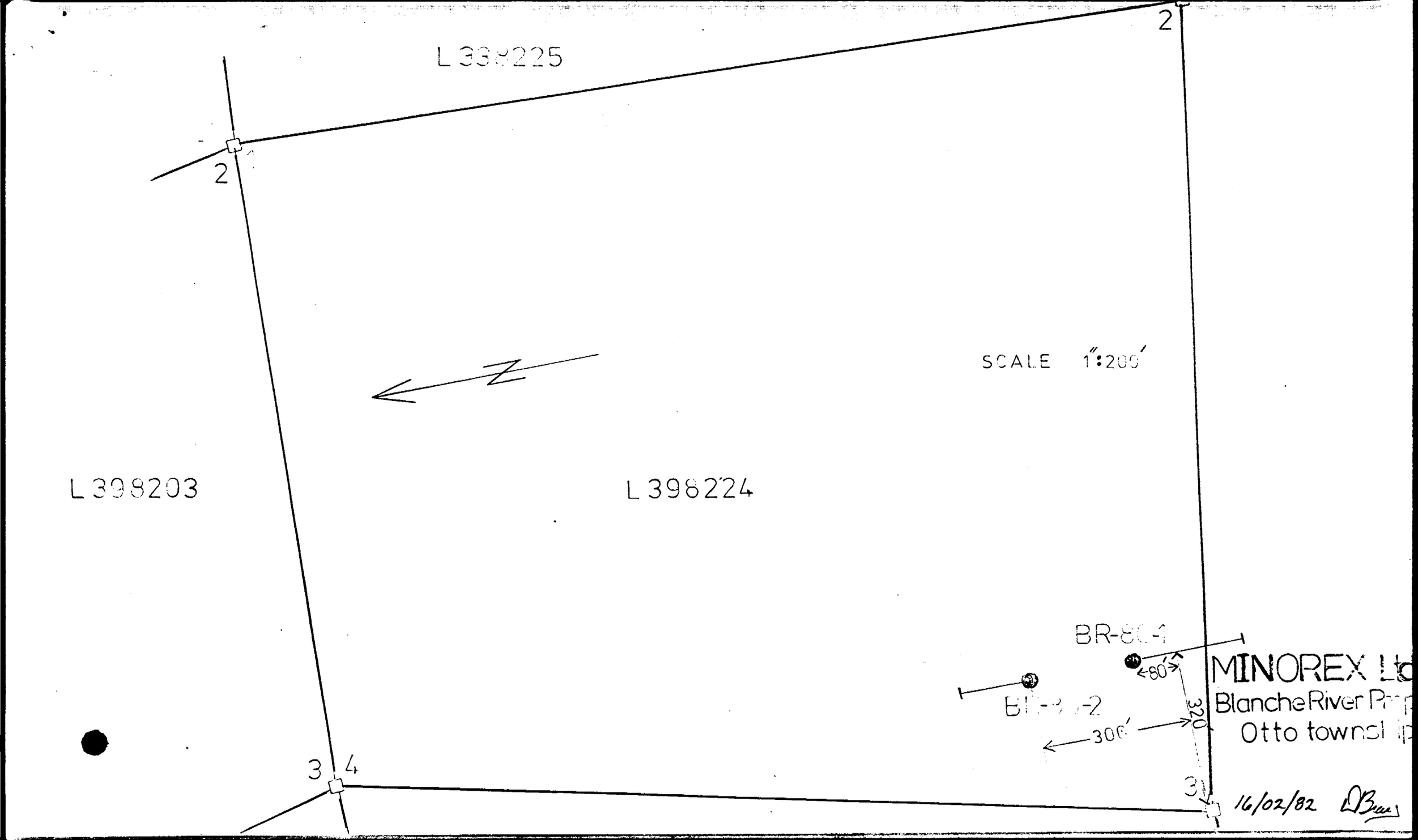
REMARKS 1980

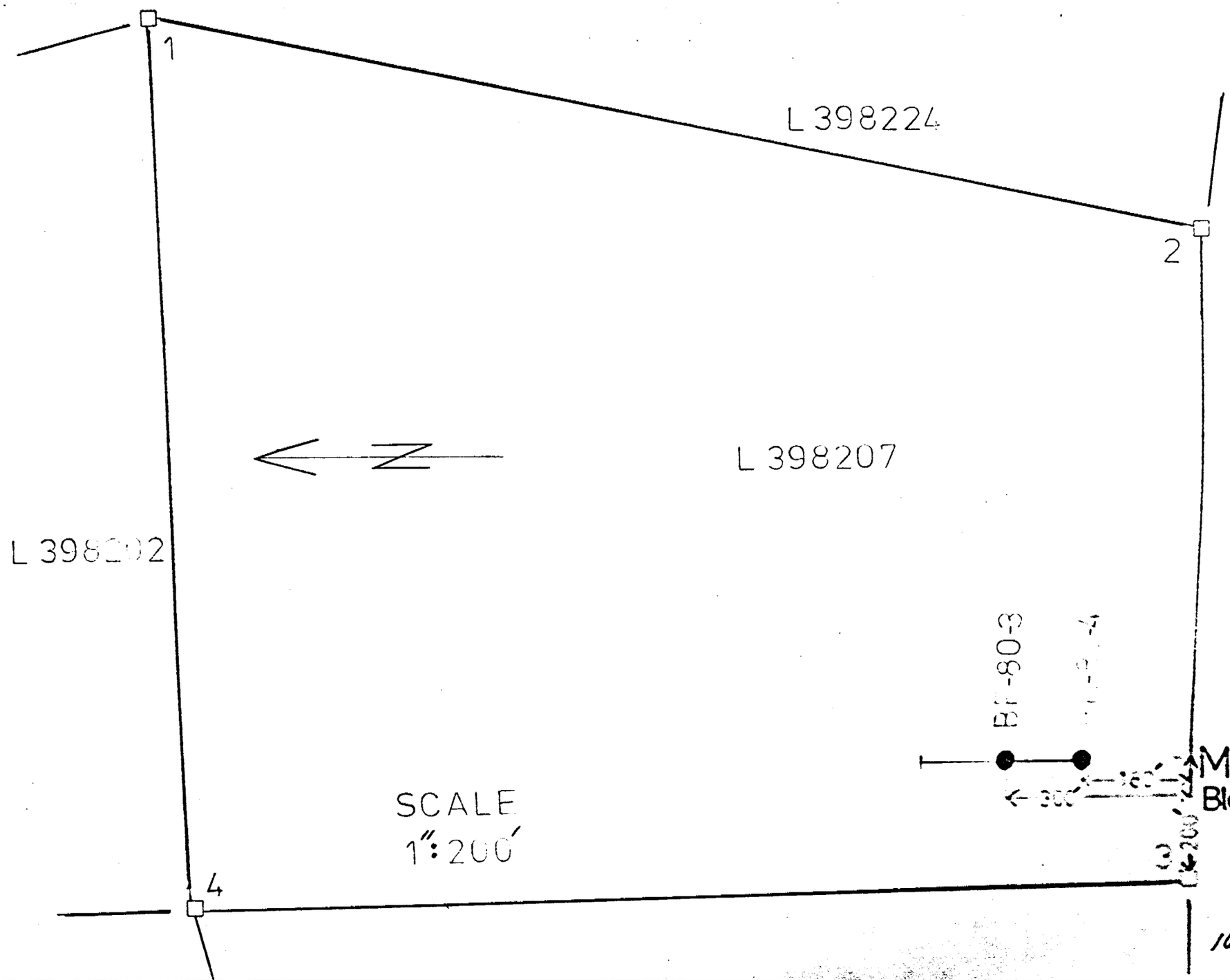
LOGGED BY Kevin Austin

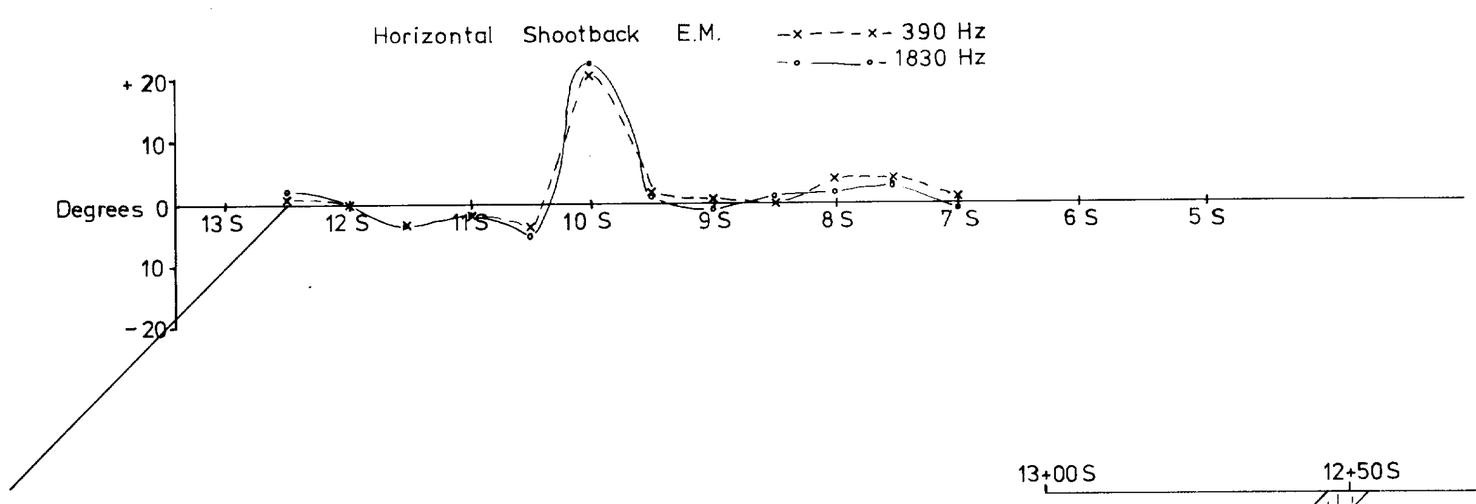
FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS % Cu	ASSAYS % Pb	ASSAYS OZ/TON Au	ASSAYS OZ/TON Ag	ASSAYS % Zn
0	37'	Felsic tuff, laminated, fine grained, grey to pink-brown color, not mineralized.										
37'	50'	Volcanic breccia, clasts up to 30mm long, 60% clasts with fine grained matrix. No sulfides and overall color green. Chloritized.										
50'	215'	Felsic tuff, laminated, fine grained, light to dark grey. Sulfide mineralization begins at 95' and ends at 207',3 to 5% sulfides. 123.6' to 128.6' is a zone of sulfide, 80%.	2422		99'	104'	5'	.011	.006	T	T	.04
			2423		123.6'	128.6'	5'	.011	.003	T	.02	.01
			2424		110.9'	115.9'	5'	.006	.002	T	T	.02
			2425		196'	210'	5'	.01	.002	.005	.05	.015

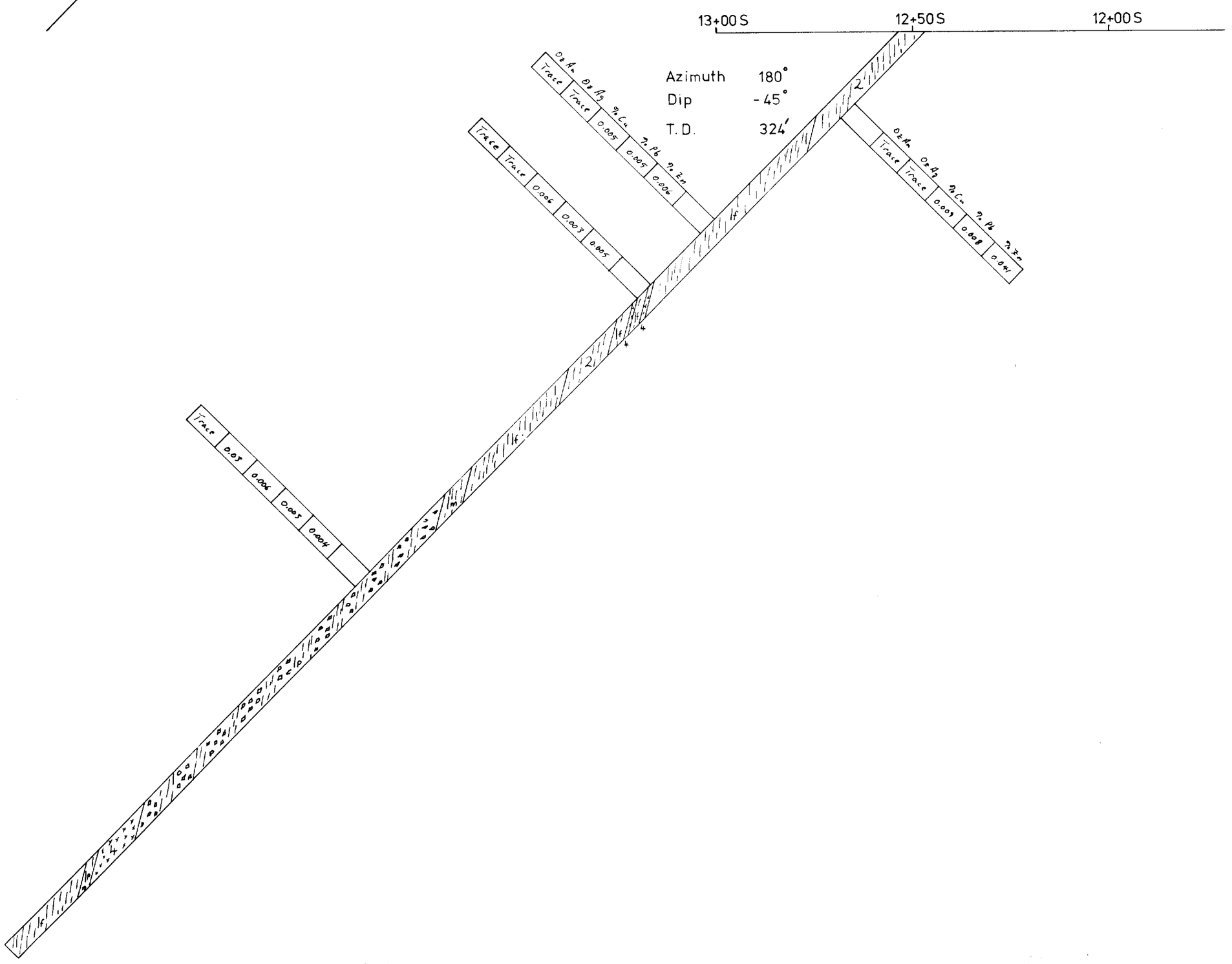
EM. 6-1168

LANGR[illegible] LIMITED,


L 398225
2
2
SCALE 1":200'
L 398203
L 398224
BR-80-1
80'
320'
BR-80-2
300'
3
4
3
MINOREX Ltd
Blanche River Proj
Otto township
16/02/82


1
2
4
L 398224
L 398207
L 398202
N
SCALE
1": 200'
BF-80-3
MINOREX LTD
Blanche River Prop
Otto township
16/02/82,





LEGEND

- 4f — Diorite - fine grained massive. Contacts parallel to bedding
- 2f — Graphitic tuff, finely laminated, ±5% sulfides.
- f - Felsic tuff containing 20 to 30% sulfides in some places.
  m - Mafic tuff, chloritized. Minor sulfides.
  p - Tuff metamorphosed to Amphibolite with abundant feldspar porphyroblasts. Remnant bedding visible.

0 10 20 30
FEET

Manager Exploration
Geologue Dr
Lorrain Bay

MINOREX LIMITED

DIAMOND DRILLING

Section L 4+00W Looking West

D.D.H. - K.L.B.R. - # 1

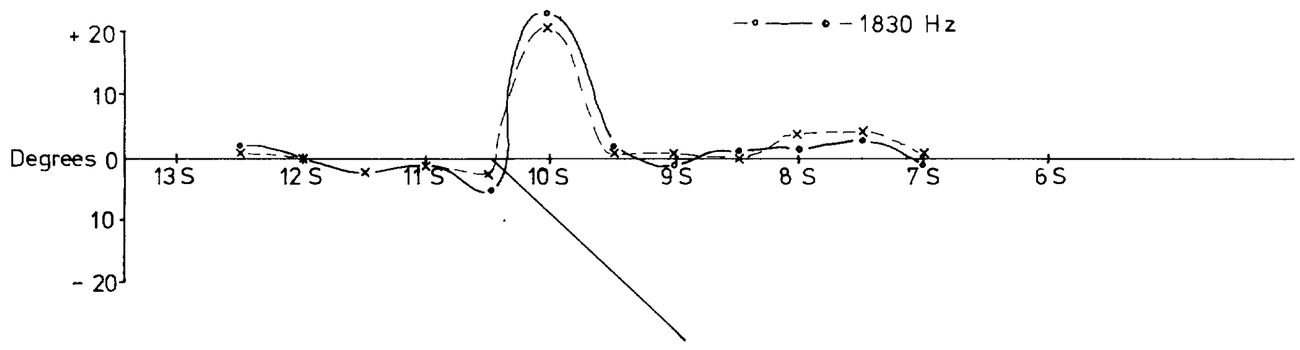
OTTO TOWNSHIP

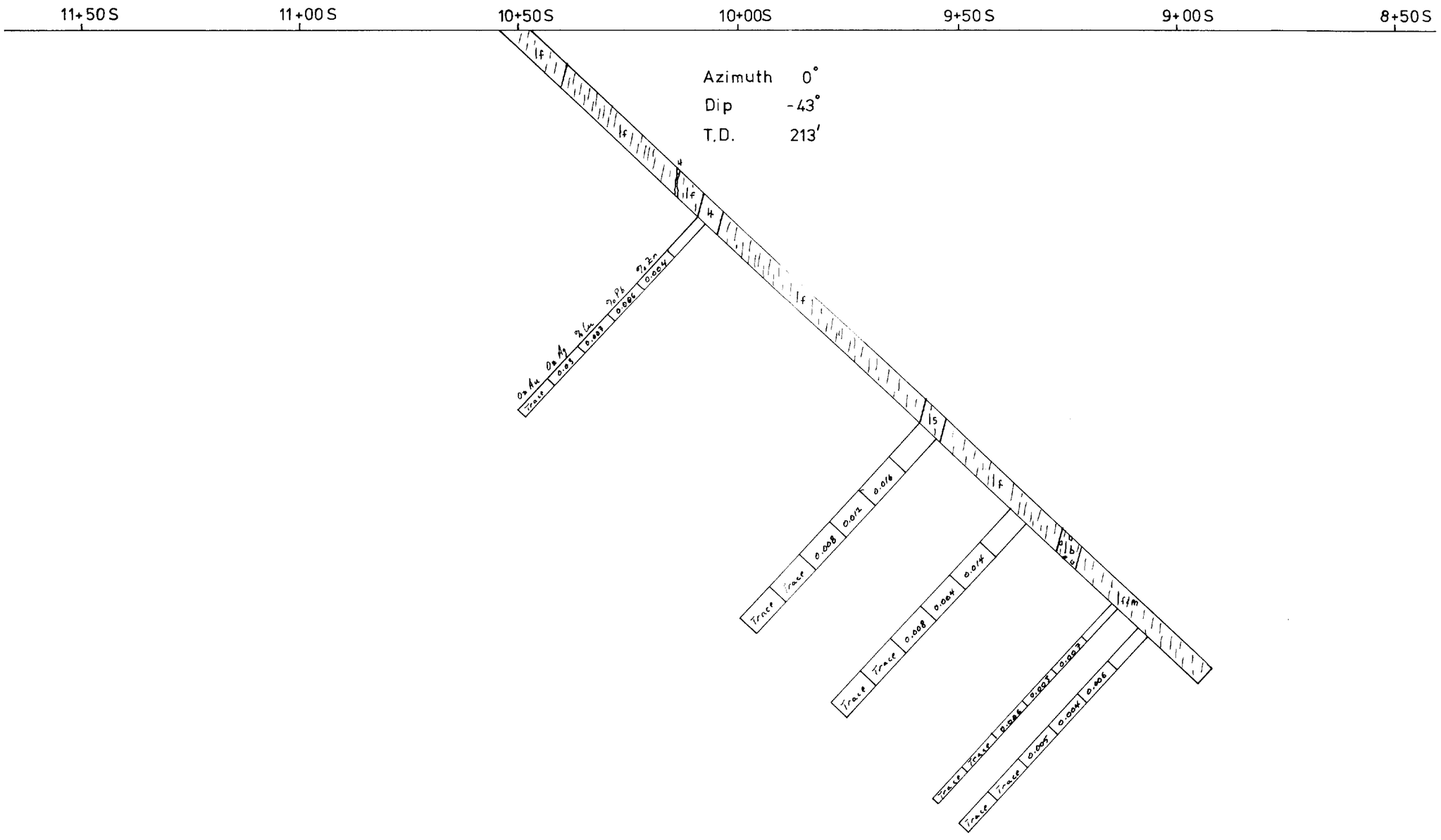
LARDER LAKE MINING DIVISION

ONTARIO

DATE	SCALE	DWG No
December 1980	1" = 20 Feet	2317 - ONT. - 52 d

42A01SE0142 15 OTTO





Minorex Ltd
Denis Bear

LEGEND

4 Diorite - fine grained, massive, green grey.

1 b - Volcanic breccia with mafic clasts up to 3cm
f - felsic tuff finely laminated to massive
m - mafic tuff, finely laminated and chloritized.
s - Tuff, sulfides occur a laminae. 40% sulfides.

0 10 20 30
FEET

MINOREX LIMITED

DIAMOND DRILLING

Section L 4+00W Looking West

D.D.H. - K.L.B.R. - #2

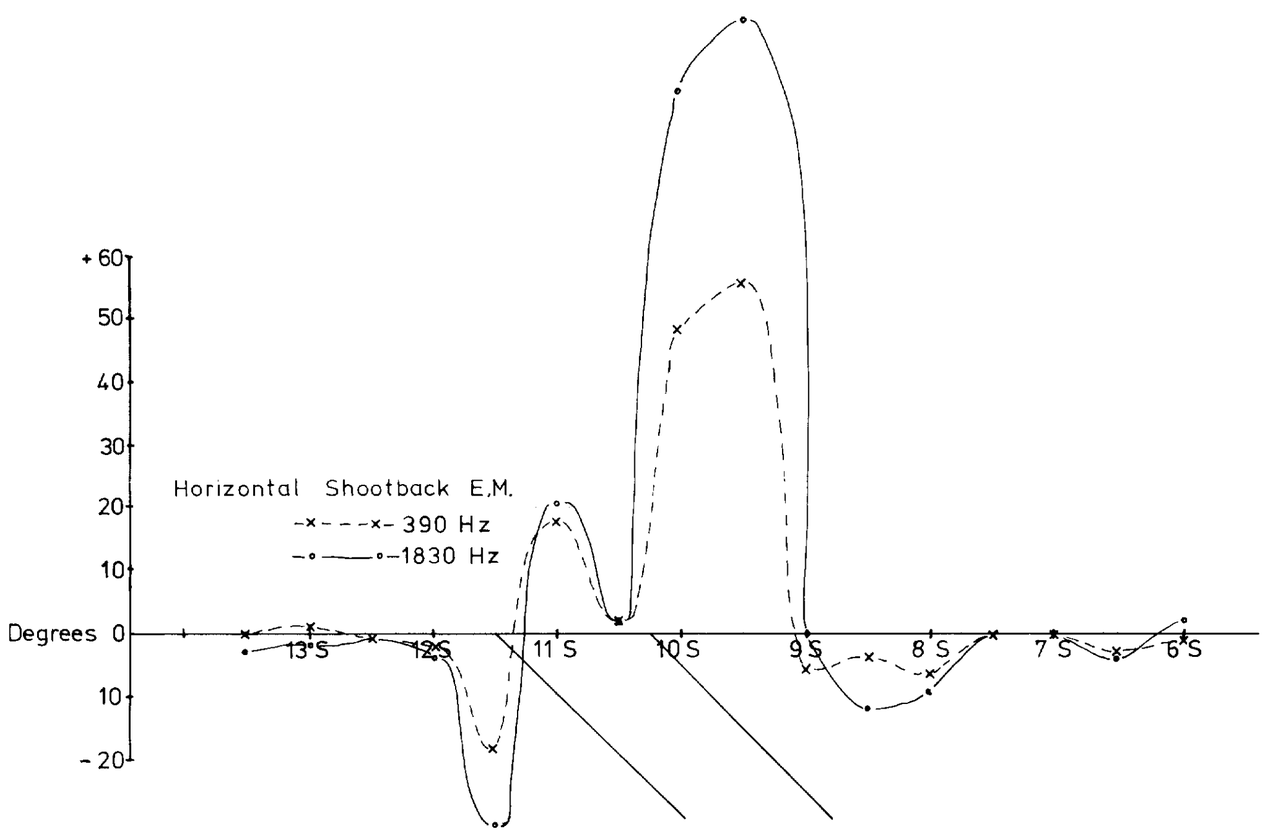
OTTO TOWNSHIP

LARDER LAKE MINING DIVISION

ONTARIO

DATE	SCALE	D.W.G. Nº
December 1980	1" = 20 Feet	2317 - ONT - 52 e

42A01SE0142 15 OTTO





LEGEND

4 — Diorite - fine grained to medium grained massive green grey.

1 — b - volcanic breccia, fragments up to 3cm long. mafic.
f - felsic tuff, finely laminated
m - mafic tuff, finely laminated and chloritized.
s - Tuff with 70 to 80% sulfides.

0 10 20 30
FEET

Minorex Ltd
Dave Bau

MINOREX LIMITED

DIAMOND DRILLING

Section L 16+00W Looking West

D.D.H. - K.L.B.R.-#3 and #4

OTTO TOWNSHIP

LARDER LAKE MINING DIVISION

ONTARIO

DATE	SCALE	D.W.G. No
December 1980	1" = 20 Feet	2317 - ONT.- 52 f

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