000

AMG REFERENCE POINTS ADDED

199000

85-2425

List of transparencies of plans from a portion of E.L. 2/63 and E.L. 18/73 relinquished by Goldfields Exploration Pty Ltd, May 1985, and cover the Mt Lindsay Mine area.

Mt Lindsay standard	M16 contour	1:2 000 ✓
" " "	" grid original	" ✓
" " "	" grid line anomalies & compilation	" MLP 32
" " "	" access	" MTL016
" " "	" survey (1978)	" 57,012
" " "	M17 grid original	" ✓
" " "	" grid line anomalies & compilation	" MLP 114
" " "	" contour	" ✓
" " "	" access	" ✓
" " "	" survey data	" ✓
" " "	M16 interpretive geology & drill hole locality plan	" NO5
" " "	" soil geochemistry - tin & tungsten	" MLP 53
" " "	" " " - arsenic	" MLP 51
" " "	" " " - copper	" MLP 49
" " "	" " " - lead	" MLP 47
" " "	" " " - zinc	" ✓
" " "	M17 " " - tin & tungsten	" MLP 54
" " "	" " " - arsenic	" MLP 52
" " "	" " " - copper	" MLP 50
" " "	" " " - lead	" MLP 48
" " "	" " " - zinc	" ✓
" " "	M16 apparent chargeability	" MLP 112
" " "	" " resistivity	" MLP 110
" " "	" total magnetic intensity contours	" MLP 108
" " "	" ground magnetic data	" MLP 147
" " "	M17 apparent chargeability	" MLP 113
" " "	" " resistivity	" MLP 111
" " "	" total magnetic intensity contours	" MLP 109
" " "	" ground magnetics data	" MLP 148
" " "	M16 drillhole locality plan	" ✓
" " "	" DDH geological plan (structure contour plan)	" MLP 124
" " "	" Main ore zone & No. 2 anomaly Structural contour map	" MLP 7 "
" " "	M16 DDH geological plan	" MLP 139
" " area drillhole locations - main lode		
	No. 2 carbonate drilling	1:1 000 ✓

/2

Mt Lindsay M16 structural contour plan		1:2 000 MP2
" " area DDH locality overlay		1:500
" " grid line 6.5 drillholes ML38, 44, 46		1:1 000 MLP128
" " " " 7 drillholes Ml 50, 51, 55		" MLP 142
" " " " ML 7 showing DDH 50, 51, 55, 58, 59		" Fig 8A
" " " " ML 8 drillholes ML 41, 49		" MLP 131
" " " " ML 8.5 drillhole ML 47		" MLP 129
" " " " ML 9 drillhole ML 37		" MLP 12
" " " " ML 9.5 drillholes ML 19,60		" Fig 8B
" " " " ML 10 drillhole ML 54		" MLP 145
" " " " ML 10 drillhole ML 36		" MLP 11
" " " " ML 10.5 drillhole ML 52		" MLP 143
" " " " ML 11 drillholes ML 32, 33, 43		" MLP 26
" " " " ML 11.5 drillhole ML 35		" MLP 10
" " " " ML 12 drillhole ML 39		" MLP 25
" " " " ML 13 drillhole ML 53		" MLP 144
" " " " ML 13 drillhole ML 34		" MLP 9
" " " " ML 14 drillhole ML 48		" MLP 130
" " " " ML 16 drillhole ML 57		" ✓
" " " " ML 17 drillhole ML 56		" MLP 146
" " No. 2 Anomaly longitudinal projection (June 1982)		1:2 000 Fig 10
" " main ore zone " " (June 1982)		" Fig 9
" " No. 2 Anomaly " " (July 1979)		" MLP 140
" " longitudinal projection master		" ✓
" " main ore zone longitudinal projection (July 1979)		" MLP ?
" " " " " " " (Oct. 1983)		" Fig 3
" " No. 2 Horizon " " (Oct. 1983)		" Fig 4
" " grid line profile ML 1		1:5 000 MLP93
" " " " " ML 2		" MLP 94
" " " " " ML 3		" MLP 79
" " " " " ML 4		" MLP 80
" " " " " ML 4.5 DDH 42 (showing results of major element geochem. survey)		1:1 000 ✓
" " " " " ML 4.5 proposed DDH ML 44		1:5 000 MLP 19
" " " " " ML 5		" MLP 81
" " " " " ML 6 (showing results of major element geochemistry)		1:1 000 ✓
" " " " " ML 6		1:5 000 MLP 81
" " " " " ML 6.5 (showing results of major element geochemistry survey)		1:1 000 ✓
" " " " " ML 6.5 drillholes ML 38, 44, 46		1:5 000 MLP 17
" " " " " ML 7 (showing major element geochem. survey)		1:1 000 ✓

Mt Lindsay grid line profile	ML 7	1:5 000 MLP82
" " " " "	ML 8	" MLP 16
" " " " "	ML 8.5 proposed drill hole ML 58	" MLP 89
" " " " "	ML 9	" MLP 90
" " " " "	ML 9.5	" MLP 91
" " " " "	ML 10	" MLP 83
" " " " "	ML 10.5	" MLP 84
" " " " "	ML 11	" MLP 15
" " " " "	ML 11.5	" MLP 85
" " " " "	ML 12	" MLP 14
" " " " "	ML 12.5	" MLP 86
" " " " "	ML 13	" MLP 87
" " " " "	ML 13.5 (showing results of major element geochemistry survey)	1:1 000
" " " " "	ML 13.5	1:5 000 MLP 88
" " " " "	ML 14	" MLP 39
" " " " "	ML 14.5	" MLP 95
" " " " "	ML 15	" MLP 96
" " " " "	ML 16	" MLP 97
" " " " "	ML 17	" MLP 98
" " " " "	ML 18	" MLP 99
" " " " "	ML 19	" MLP 100
" " " " "	ML 20	" MLP 101
" "	mine area geological, geophysical and geochemical anomaly compilation plan (Aug. 1975)	1:2 000
" "	M 16 shows location of main lode area plan (1:500)	1:2 000 MLP122
" "	contour	1:1 000
" "	mine main lode area contour	1:500
" "	"Aberfoyle Tin Development Partnership", Mt Lindsay tin prospect, 1963-64 programme geology & magnetics	
" "	- Lindsay tin mine geology (McIntosh Reid, 1927)	1:240
" "	mine geology after J.L. Morton of Aberfoyle, 1962	1:240 MLP 40
" "	tin prospect Aberfoyle? geology	1:5 000 MLP 41
" "	Aberfoyle geology - Fact (1969/70)	1:1 200 L-70-1
" "	" " " (1970?)	1:1 200 L-70-2
" "	?Paringa Geochemistry - Cu (1970)	1:1 200 L-70-12
" "	Aberfoyle Geochemistry - Cu (1969)	1:1 200 L-70-3
" "	" " - Cu (1970)	" L-70-13
" "	" " - Cu (1969-70)	" L-70-4
" "	Stacked ground magnetic profiles - Sheet 1	1:2 000 MLP 105

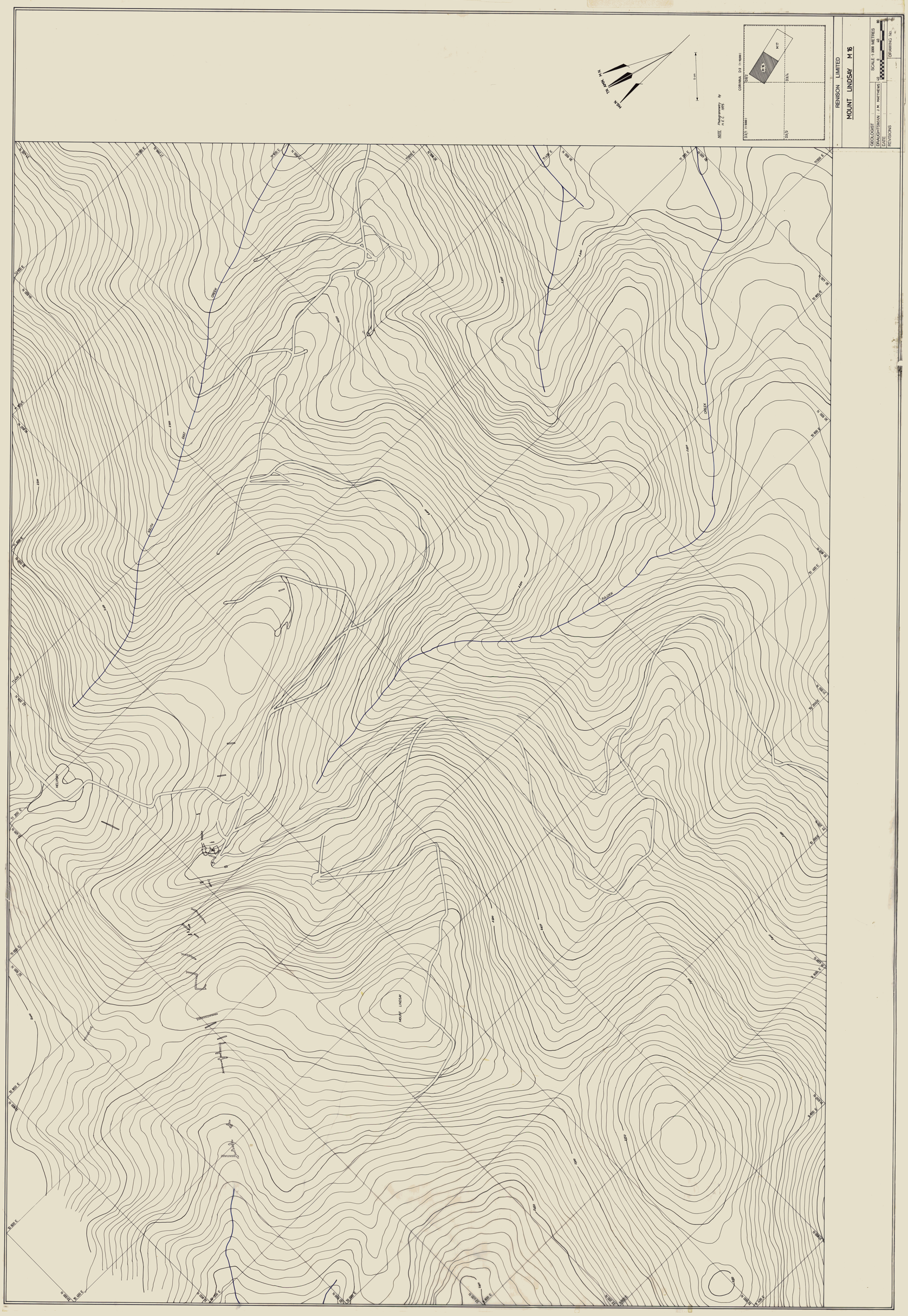
.../4

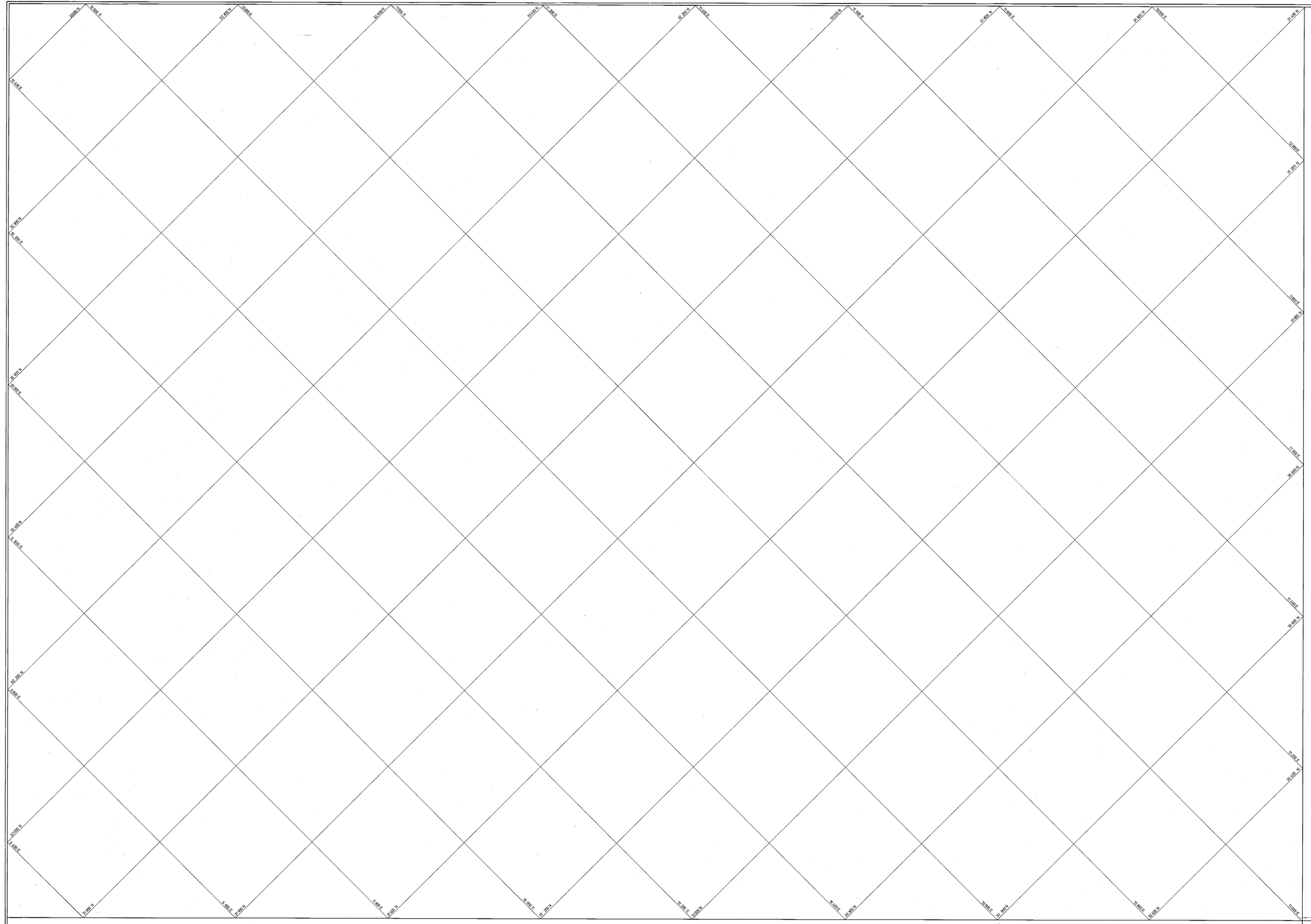
Mt Lindsay stacked ground magnetic profiles - Sheet 2		1:2 000 MLP106
" " " " " " " 3		" MLP107
" " anomaly "A" magnetic profiles (R. Pollock, 1981)		1:5 000
" " " " " " " "		"
" " chargeability and interpretation map		" MLP 59
" " resistivity and interpretation map		" MLP 60
" " total magnetic intensity contours		"
" " " " " "		" MLP 58
" " " " " "	with interpretation	" MLP 57
" " " " " "		" MLP 56
" " " " " "	with interpretation	" MLP 55
" " E.I.P. stacked profiles (1973-74)		" MLP 63
" " " " " "		" MLP 65
" " " " " "		" MLP 64
" " " " " "		" MLP 62
" " " " " "		" MLP 61
" " E.I.P. revised reconnaissance survey apparent chargeability contour map		" MLP 66
" " E.I.P. revised reconnaissance survey apparent resistivity contour map		" MLP 67
" " E.I.P. stacked profiles		" MLP 69
" " " " "		" MLP 68
" " area air magnetics stacked profiles		1:13 000 MLP102
" " drilling results, mine area map 2		1:500 MLP 116
" " main lode area drilling results		" MLP 120
" " " " longitudinal projection		" MLP 121
" " drilling results, mine area map 1		" MLP 115
" " No. 2 anomaly drilling results (1975)		1:5 000 MLP 117 & 1:100
" " main ore zone - drilling results (1975)		1:1 000 MLP 118
" " line profile ML 4.5 drillhole ML42		" MLP 29
" " " " ML 6 drillholes ML 40 & 45		" MLP 127
" " " " base line		1:5 000 MLP92
" " Geophysical correlation of magnetic & IP anomalies		1:10,000 MLP70

Transparencies may be referred to from Report No. 80-1507

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

NORTH PIEMAN
STANDARD M16
1:2000 CONTOUR





5 cm

RENISON LIMITED

MOUNT LINDSAY M16

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	50 0 40 80
DATE :	
REVISIONS :	DRAWING No.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

2

STANDARD NORTH PERMAN
M16
1:2,000 GRID ORIGINAL



5 cm

INDUCED POLARISATION ANOMALIES OF SIGNIFICANCE

GRADIENT ARRAY

A B C RELATIVE PRIORITY – SCINTREX INTERPRETATION.

✳ RECOMMENDED BY J. IRVINE, JULY 1976.

xxxxxxx LINE CORRELATION BASED ON UP/RESISTIVITY DATA.

NOTE 1. NO HALF LINES SURVEYED.
2. LINES 5, 7, 8, 9, 11 AND 13 SURVEYED 1973 - 74 BY SCINTREX USING 50m POTENTIAL DIPOLE.
3. LINES 6, 10 AND 12 SURVEYED 1974 - 75 USING 25m POTENTIAL DIPOLE.
4. LINE 14 SURVEYED USING MOVING SOURCE METHOD.

SOIL GEOCHEMISTRY RESPONSES

ALL LINES COVERED USING -80 MESH FRACTION, 25m SAMPLE SPACING. MINOR RESAMPLING AND FOLLOW UP AT 12.5m SAMPLE SPACING.

765 VALUES ABOVE 200ppm (ASSAY SHOWN)

ARSENIC 100 TO 199 ppm

40 TO 99 ppm

210 VALUE ABOVE 200ppm (ASSAY SHOWN)

COPPER 150 TO 199 ppm

100 TO 149 ppm

65 VALUES ABOVE 60ppm (ASSAY SHOWN)

LEAD 50 TO 59 ppm

55 TIN VALUES ABOVE 50 ppm (ASSAY SHOWN)

RENISON LIMITED

MOUNT LINDSAY M16

LINE ANOMALIES

GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: APRIL 1977	
REVISIONS		DRAWING No. MLP 32

NORTH DIEMAN
STANDARD M16
1:2000 GRID LINE
ANOMALY
COMPILATION

3

ORIGINAL
1:2000

MS - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

4

NORTH PENRHYN
STANDARD M16
1:2,000 ACCESS

MT. L 018

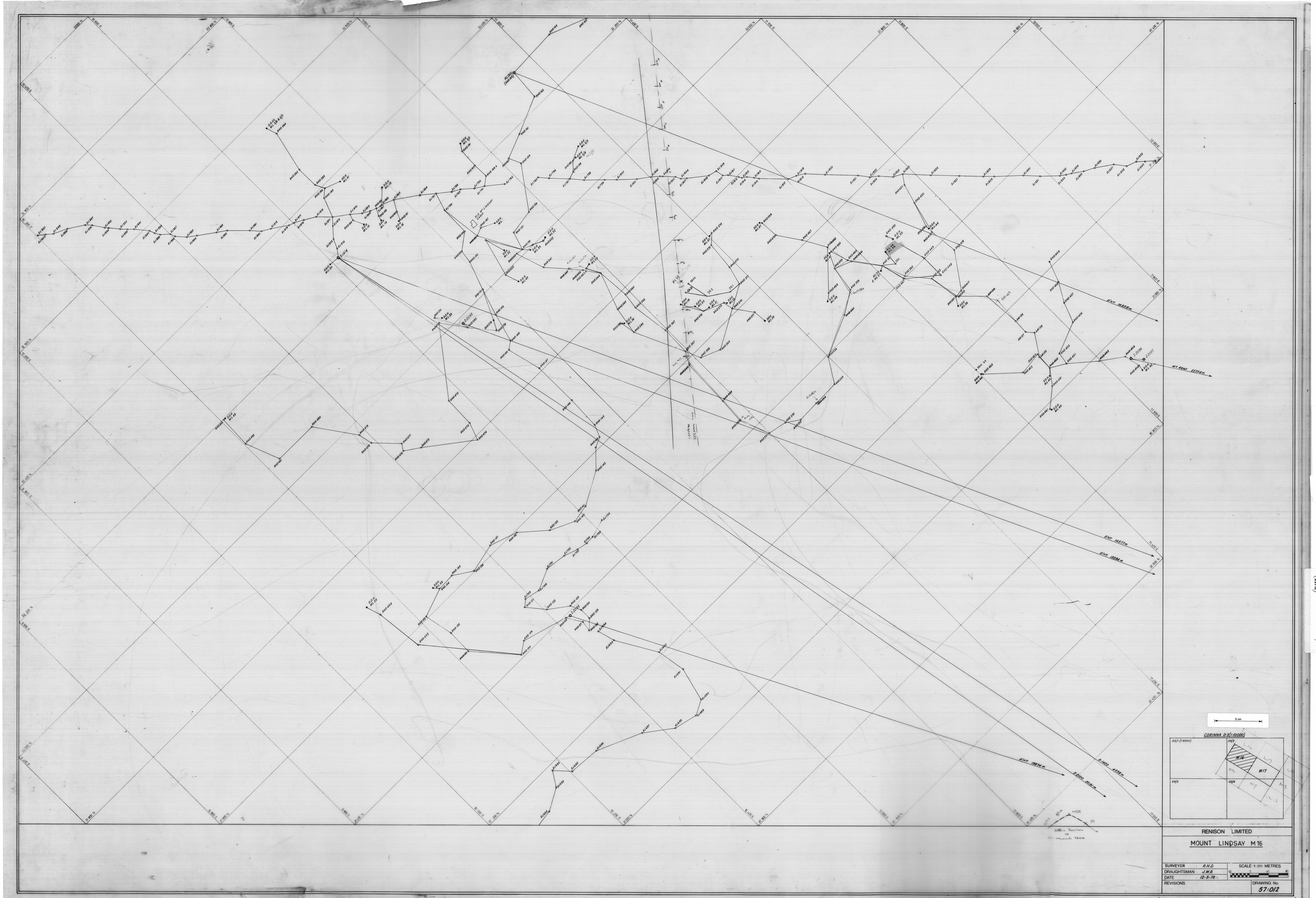
RENISON LIMITED

MOUNT LINDSAY M.16

SCALE 1:2000 METRES

GEOLOGIST
DRAUGHTSMAN
DATE
REVISIONS

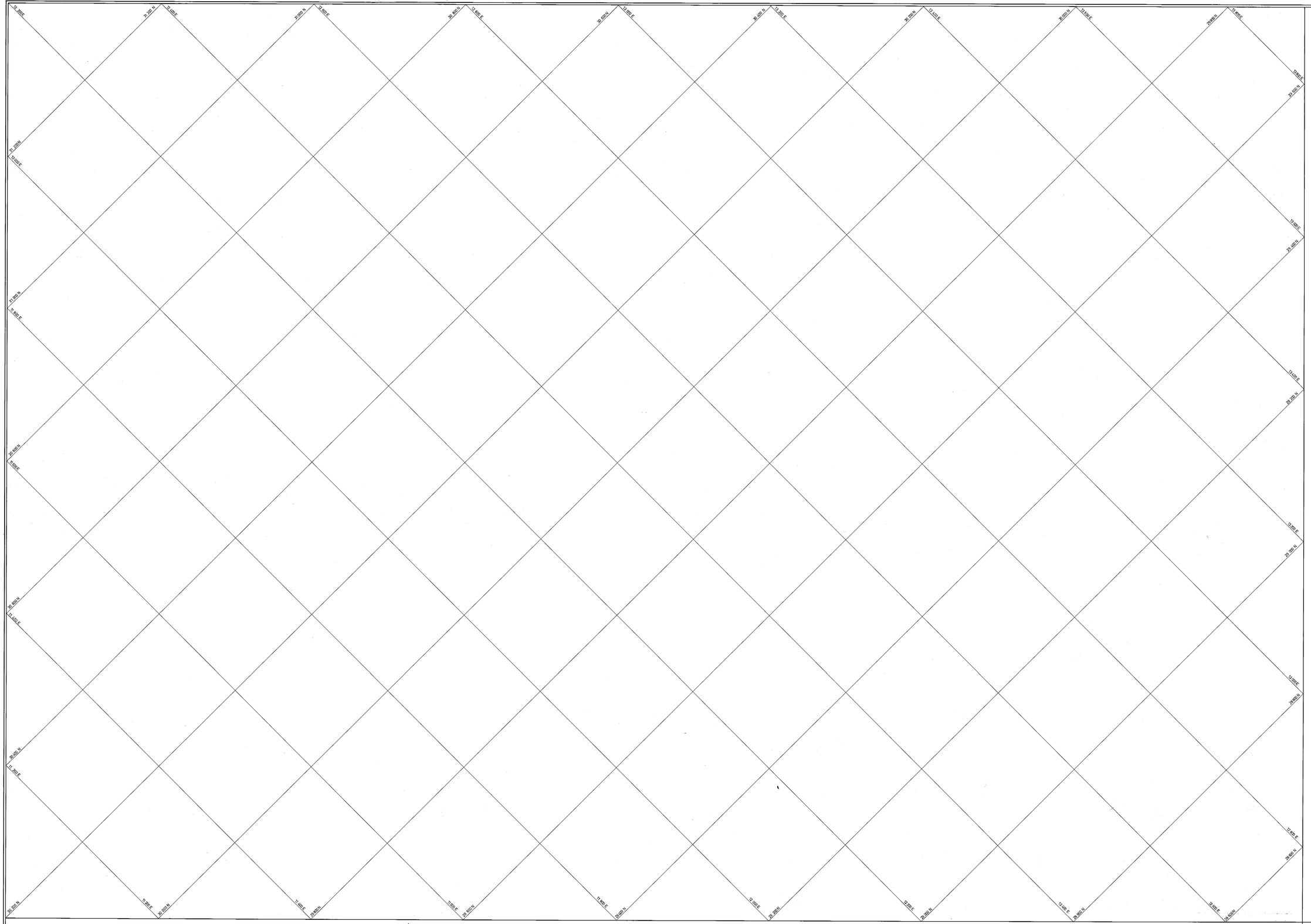
DRAWING No.



RENISON LIMITED

MOUNT LINDSAY M16

SURVEYOR	R.N.D.	SCALE 1:2000 METRES
DRAUGHTSMAN	J.M.B.	40 0 40 80
DATE	12-5-78	
REVISIONS		DRAWING No. 57:012



5 cm

RENISON LIMITED

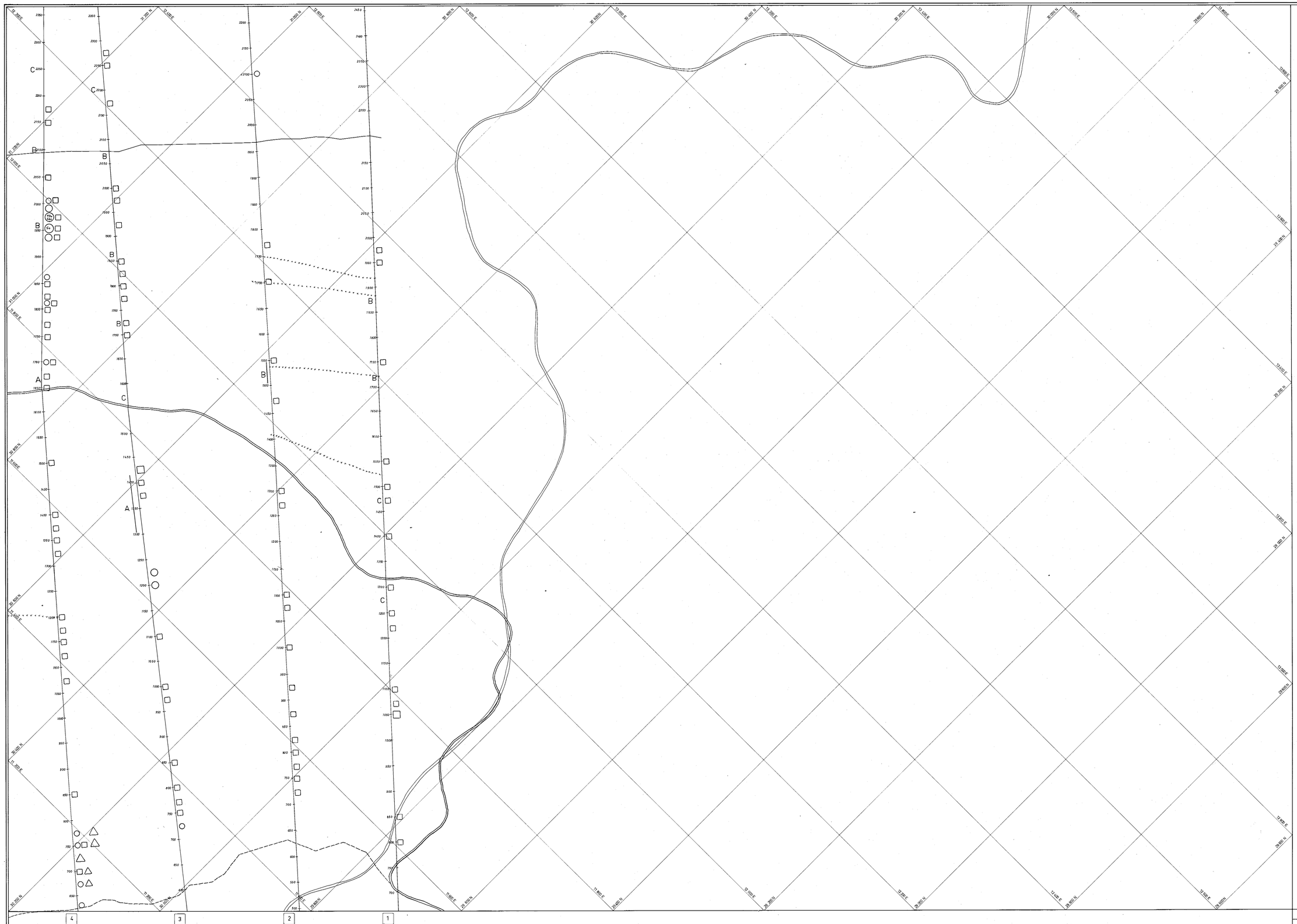
MOUNT LINDSAY M17

GEOLOGIST :	SCALE: 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No.

65 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

6

NORTH PIEDMAN
1 STANDARD M17
1:2,000
GRID ORIGINAL



INDUCED POLARISATION ANOMALIES OF SIGNIFICANCE

GRADIENT ARRAY

A B C RELATIVE PRIORITY – SCINTREX INTERPRETATION.

xxxxxxx LINE CORRELATION BASED ON I.P./RESISTIVITY DATA.

NOTE 1. LINES 1,2 AND 3 SURVEYED 1973-74 BY SCINTREX USING 50m POTENTIAL DIPOLE.

2. LINE 4 SURVEYED 1974-75 USING 25m POTENTIAL DIPOLE.

SOIL GEOCHEMISTRY RESPONSES

ALL LINES COVERED USING -80 MESH FRACTION, 25m SAMPLE SPACING. MINOR RESAMPLING AND FOLLOW UP AT 12.5m SAMPLE SPACING.

	715	VALUES ABOVE 200 ppm (ASSAY SHOWN)
ARSENIC	○	100 TO 199 ppm
	○	40 TO 99 ppm
	210	VALUES ABOVE 200 ppm (ASSAY SHOWN)
COPPER	□	150 TO 199 ppm
	□	100 TO 149 ppm
LEAD	60	VALUES ABOVE 60 ppm (ASSAY SHOWN)
	△	50 TO 59 ppm
TIN	55	VALUES ABOVE 50 ppm (ASSAY SHOWN)

5 cm

RENISON LIMITED

MOUNT LINDSAY M17

LINE ANOMALIES

GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: APRIL 1977	
REVISIONS		DRAWING No. MLP 114

05 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

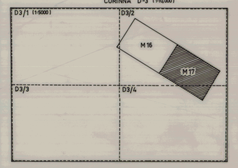
7

NORTH PIGMAN
STANDARD M17
GRID LINE
1:2000
ANOMALY COMPILATION



NOTE: Photogrammetry by H.E.C. 1975.

CORINNA D-3 (1:10,000)



RENISON LIMITED

MOUNT LINDSAY M17

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN : J.M. MATTHEWS	40 0 40 80
DATE :	
REVISIONS :	DRAWING No.

NORTH PLEMAN
M17
CONTOUR
STANDARD
1:2000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
8

ORIGINAL
1:2000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

9

GRID LINES
NORTH REMAN
STANDARD M17
1:2000 ACCESS

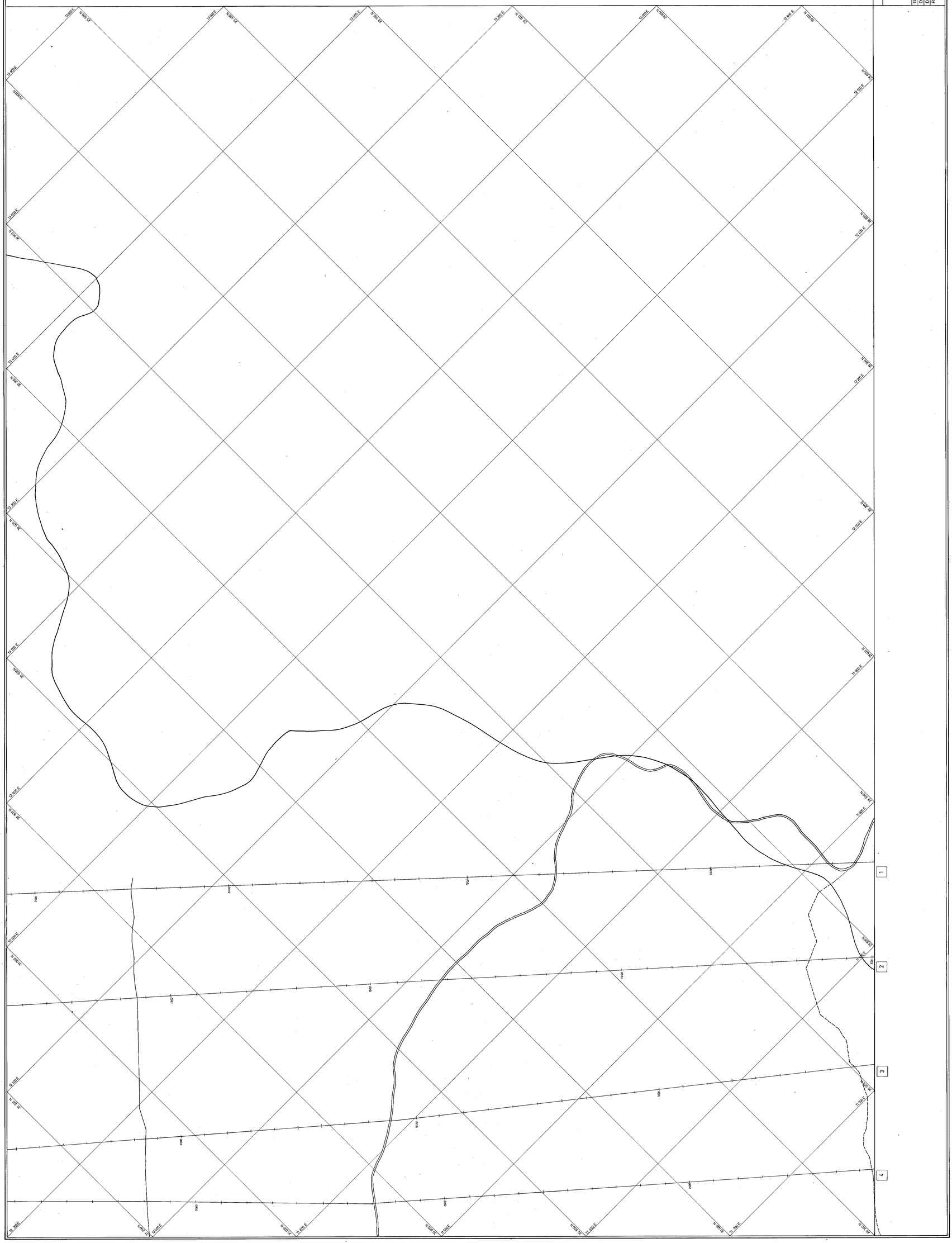
RENISON LIMITED

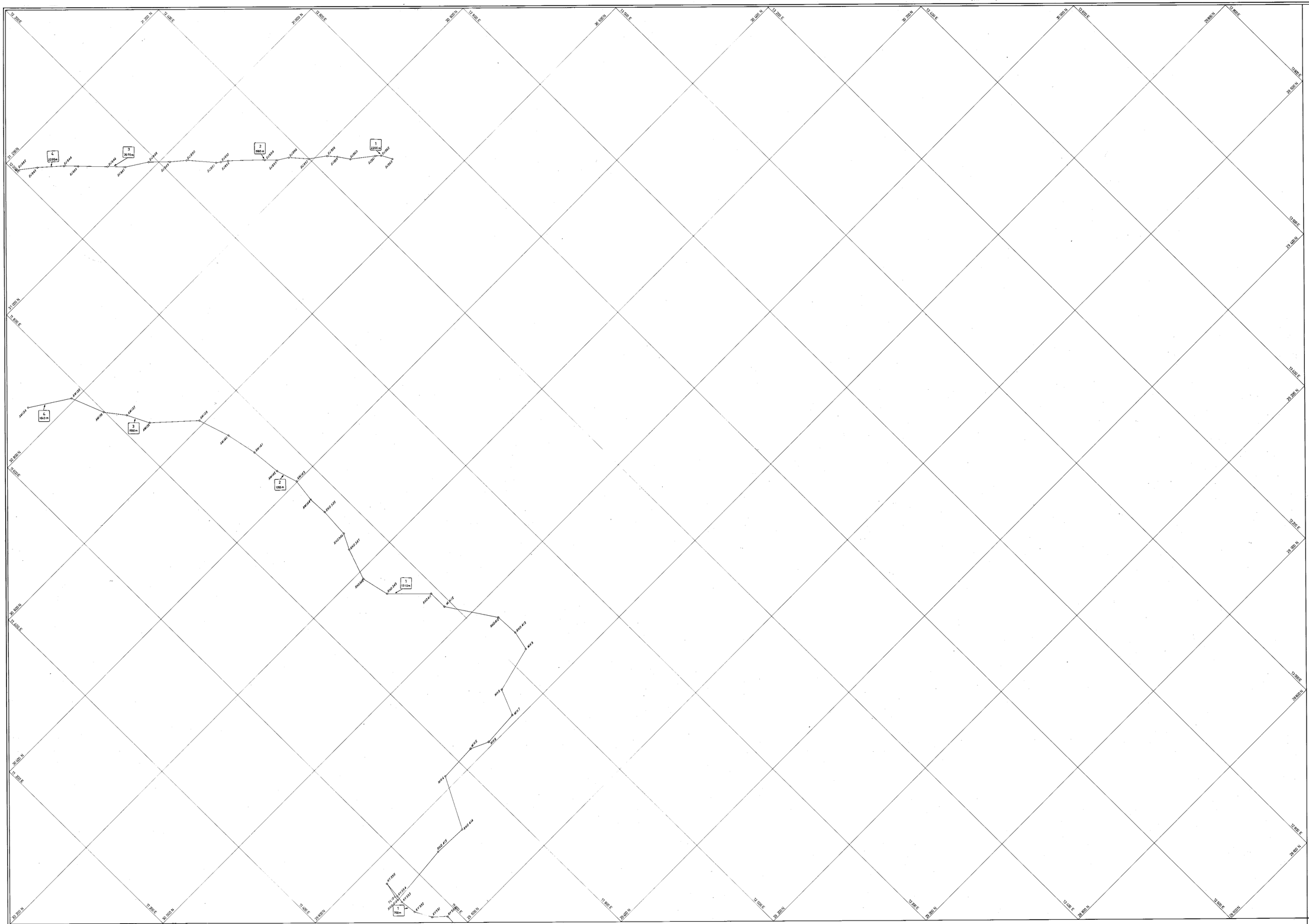
MOUNT LINDSAY M17

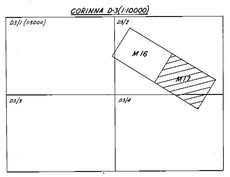
GEOLOGIST
DRAUGHTSMAN
DATE
REVISIONS

SCALE 1:2000 METRES
0 20 40

DRAWING No.







RENISON LIMITED

MOUNT LINDSAY M17

SURVEYOR	: R.N.D.	SCALE 1:2000 METRES
DRAUGHTSMAN	: J.M.B.	0 40 80
DATE	: 12-5-78	
REVISIONS	:	DRAWING No.

No. 2 Horizon

Main Ore Zone

No. 1 Horizon

FAULT B

FAULT C

FAULT E

HELIPORT

MOUNT LINDSAY

CREEK

ML 63

ML 65

ML 69

ML 70

ML 71

ML 72

ML 73

ML 74

ML 75

ML 76

ML 77

ML 78

ML 79

ML 80

ML 81

ML 82

ML 83

ML 84

ML 85

ML 86

ML 87

ML 88

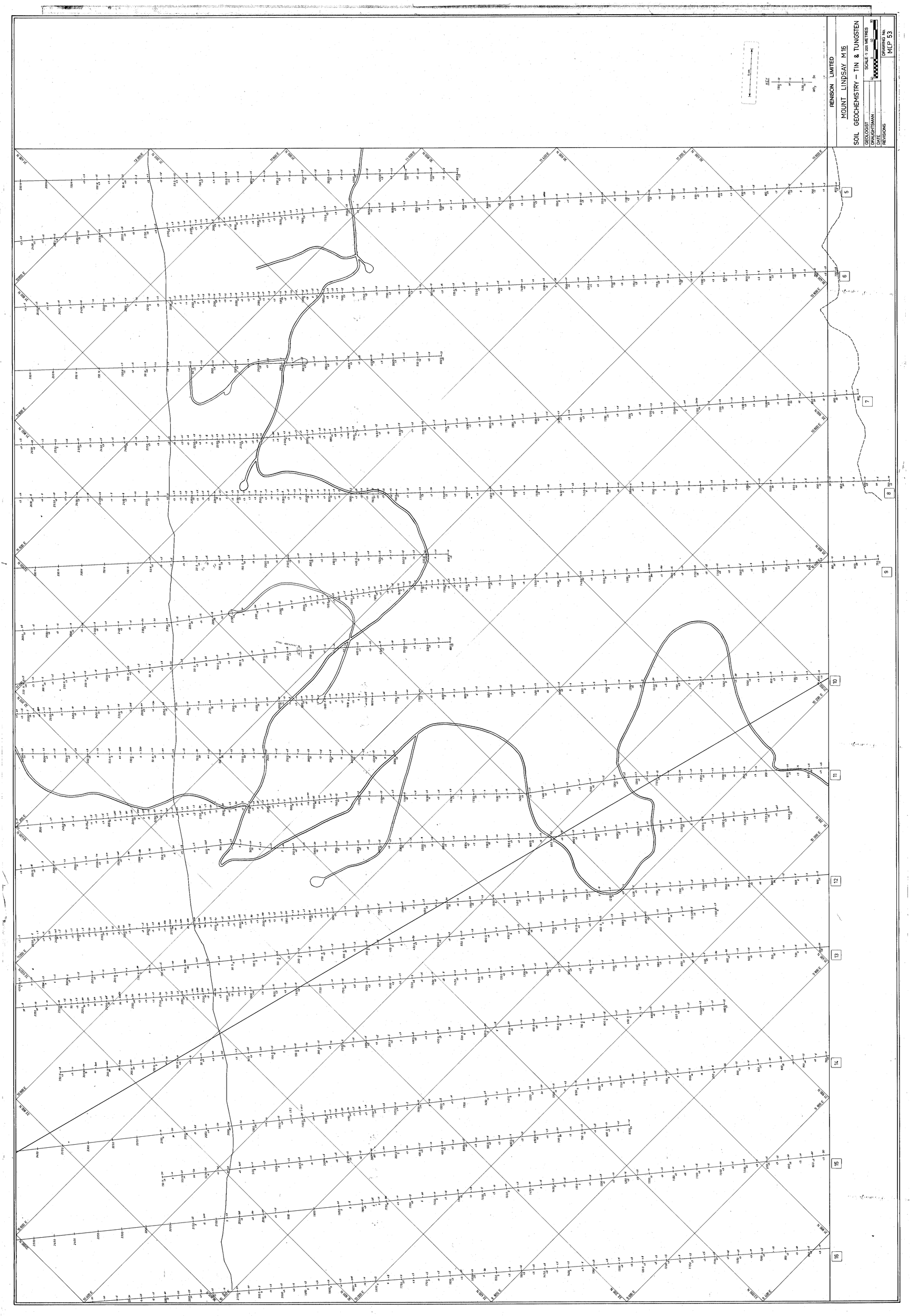
ML

1:2000

55 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

12

NORTH PENMAN
M16
SOIL GEOCHEM.
Sn & WO3
STANDARD
1:2000
(RMG)





RENISON LIMITED

MOUNT LINDSAY M16

SOIL GEOCHEMISTRY — ARSENIC

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS	DRAWING No. MLP 51

1:2000

13

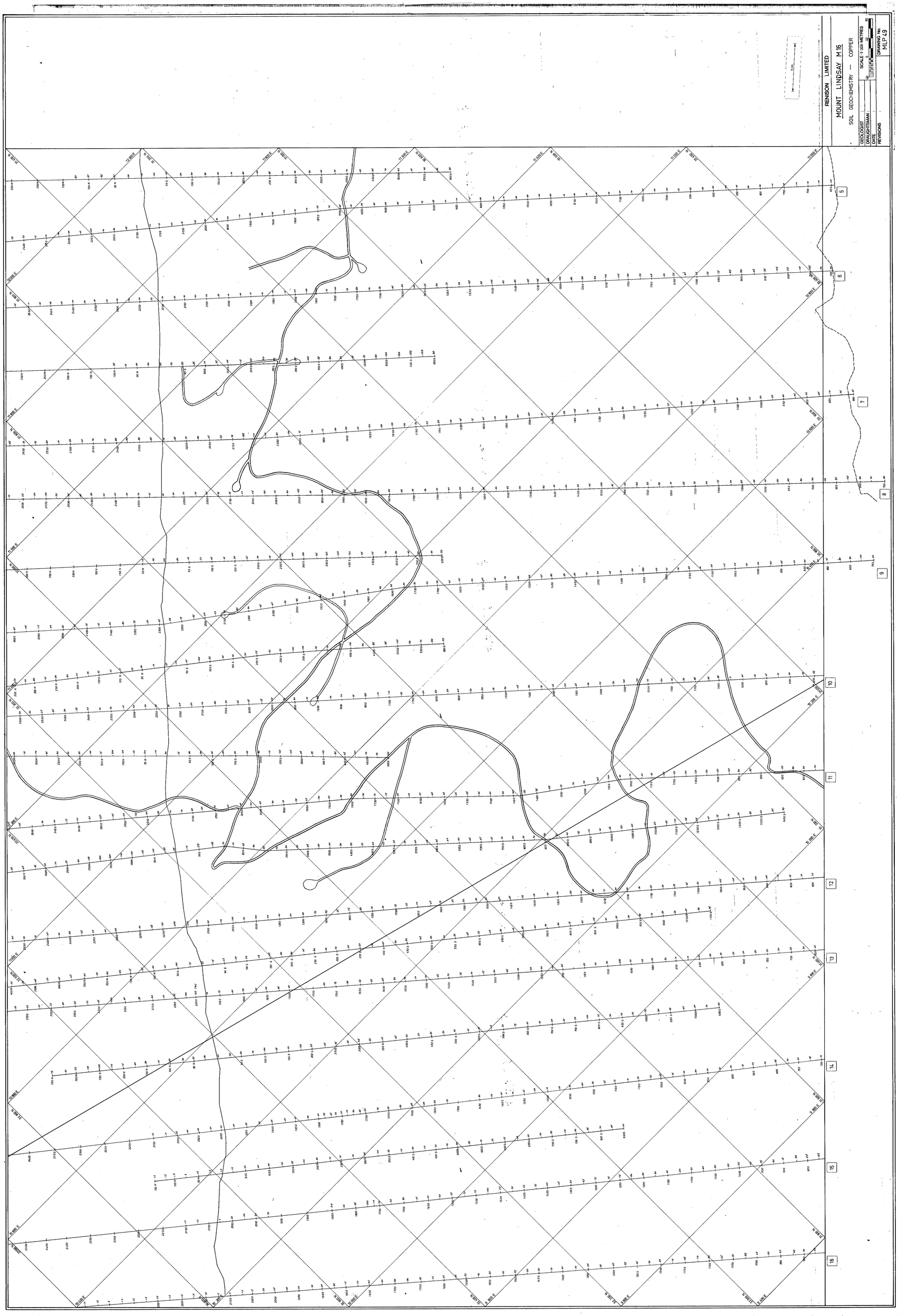
NORTH PIEMAN
M16
SOIL GEOCHEM.

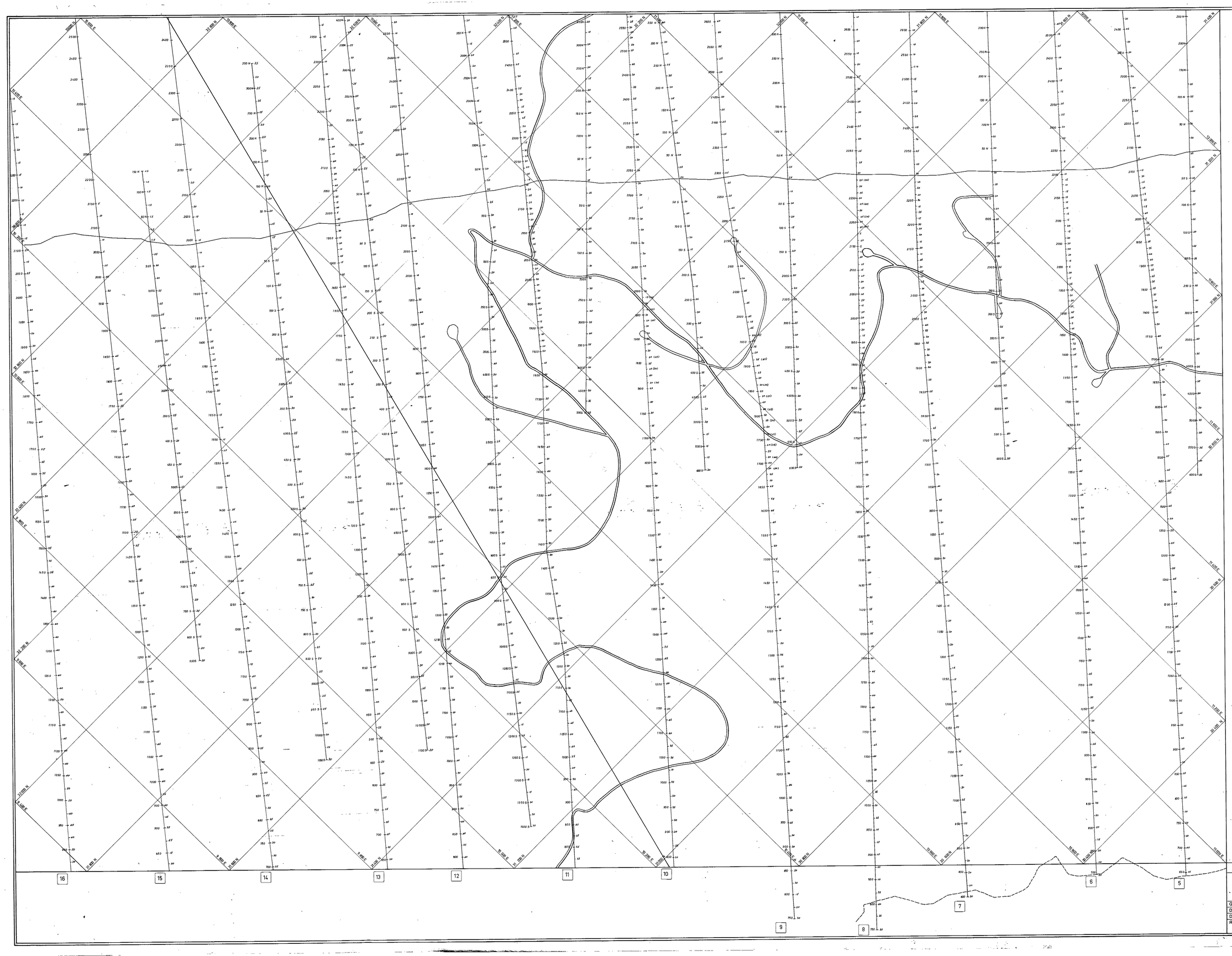
ORIGINAL
1:2000

05 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 19/73)

14

NORTH MOMAN
STANDARD 1:2000 (RMG)
M16
SOIL GEOCHEM.
Cu





RENISON LIMITED

MOUNT LINDSAY M16

SOIL GEOCHEMISTRY — LEAD

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No. MLP 47

1:2000

15

NORTH AMAN M16
STANDARD SOIL GEOCHEM.
M 1:2000
(RMG)



RENISON LIMITED

MOUNT LINDSAY M16

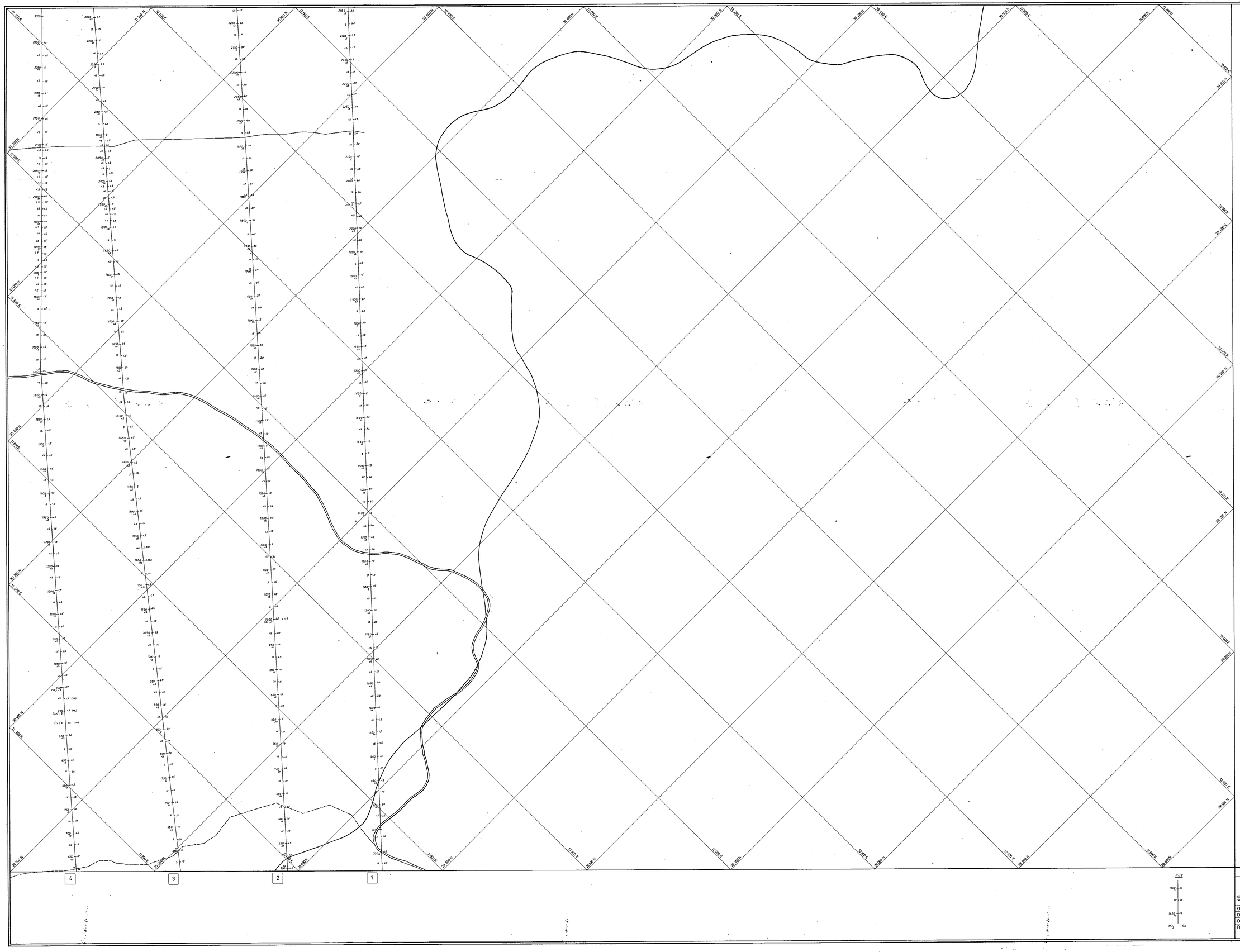
SOIL GEOCHEMISTRY - ZINC

GEOLOGIST	R. R. Schellekens	SCALE 1:2000 METRES
DRAUGHTSMAN	J. M. Matthews	40 0 40 80
DATE	Sept. 1978	
REVISIONS		DRAWING No.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

16

NORTH PIGMAN
1:2000 (MAC)
M16
STANDARD
SOIL GEOCHEM.
Zn



RENISON LIMITED

MOUNT LINDSAY M17

SOIL GEOCHEMISTRY – TIN & TUNGSTEN

GEOLOGIST :	SCALE - 1: 2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No. MLP 54

ORIGINAL
1:2000

NORTH PIGMAN
STANDARD M17
1:2000 SOIL GEOCHEM.
(RMC) Sn & WO_3

1:2000

RS - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

18

NORTH HEMAN M17
STANDARD SOIL GEOCHEM.
1:2000
(0M4)

RENISON LIMITED

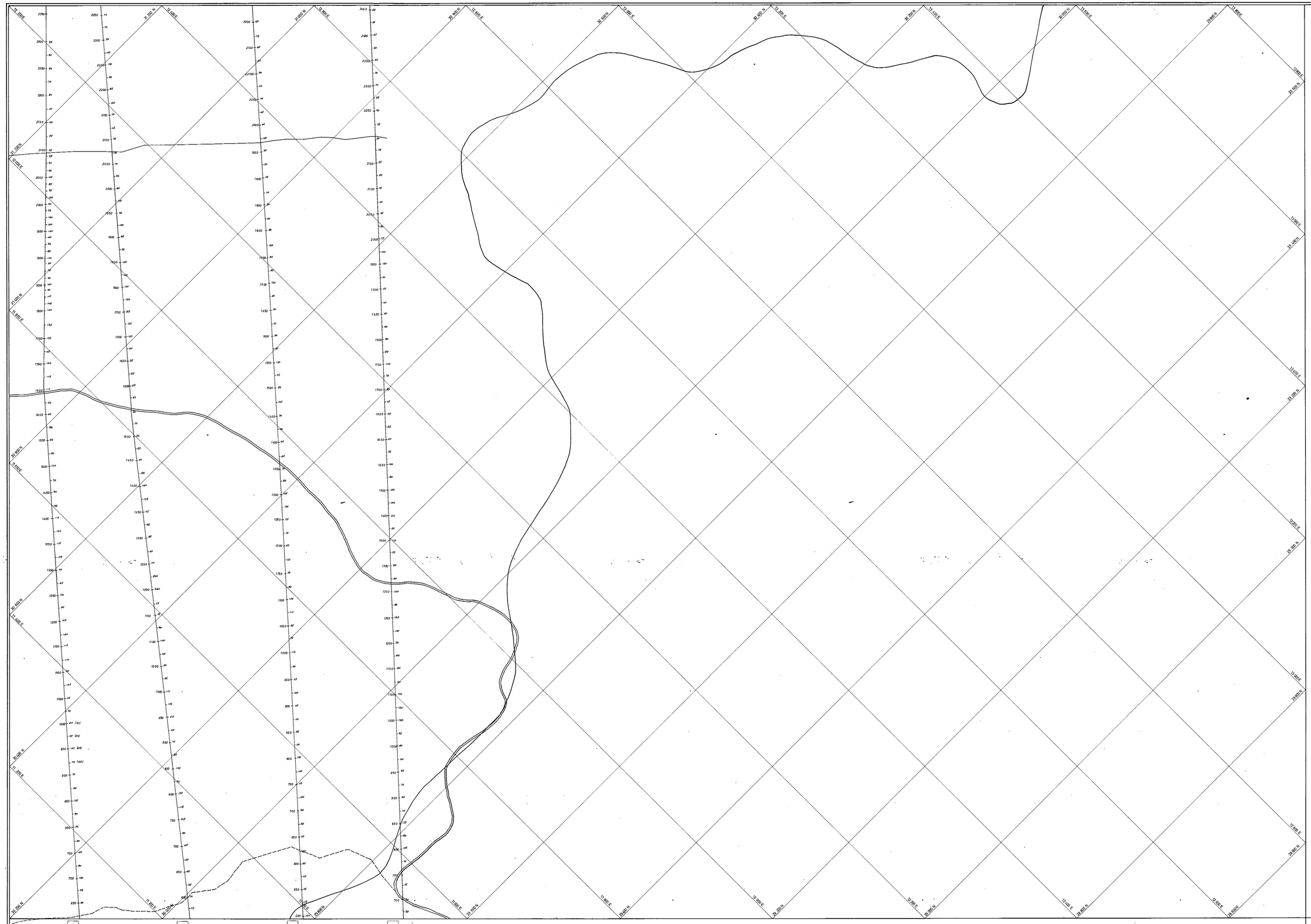
MOUNT LINDSAY M17

SOIL GEOCHEMISTRY - ARSENIC

GEOLOGIST
DRAUGHTSMAN
DATE
REVISIONS

SCALE 1:2000METRES

DRAWING No.
MLP 52



RENISON LIMITED

MOUNT LINDSAY M17

SOIL GEOCHEMISTRY – COPPER

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No. MLP 50

ORIGINAL

1:2000

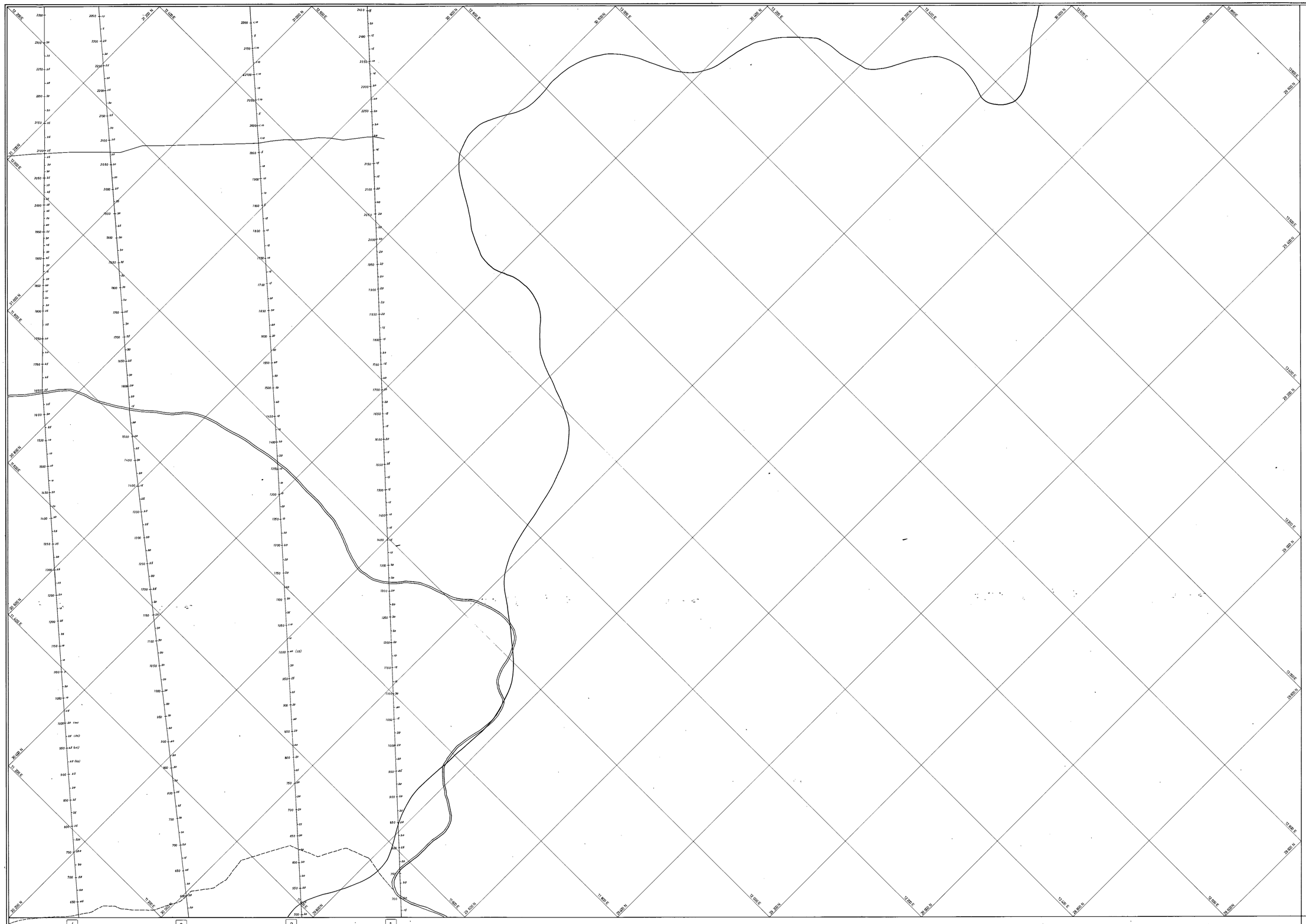
NORTH HUMAN

STANDARD M17

1:2000 SOIL GEOCHEM.

(RING)

19



RENISON LIMITED

MOUNT LINDSAY M17

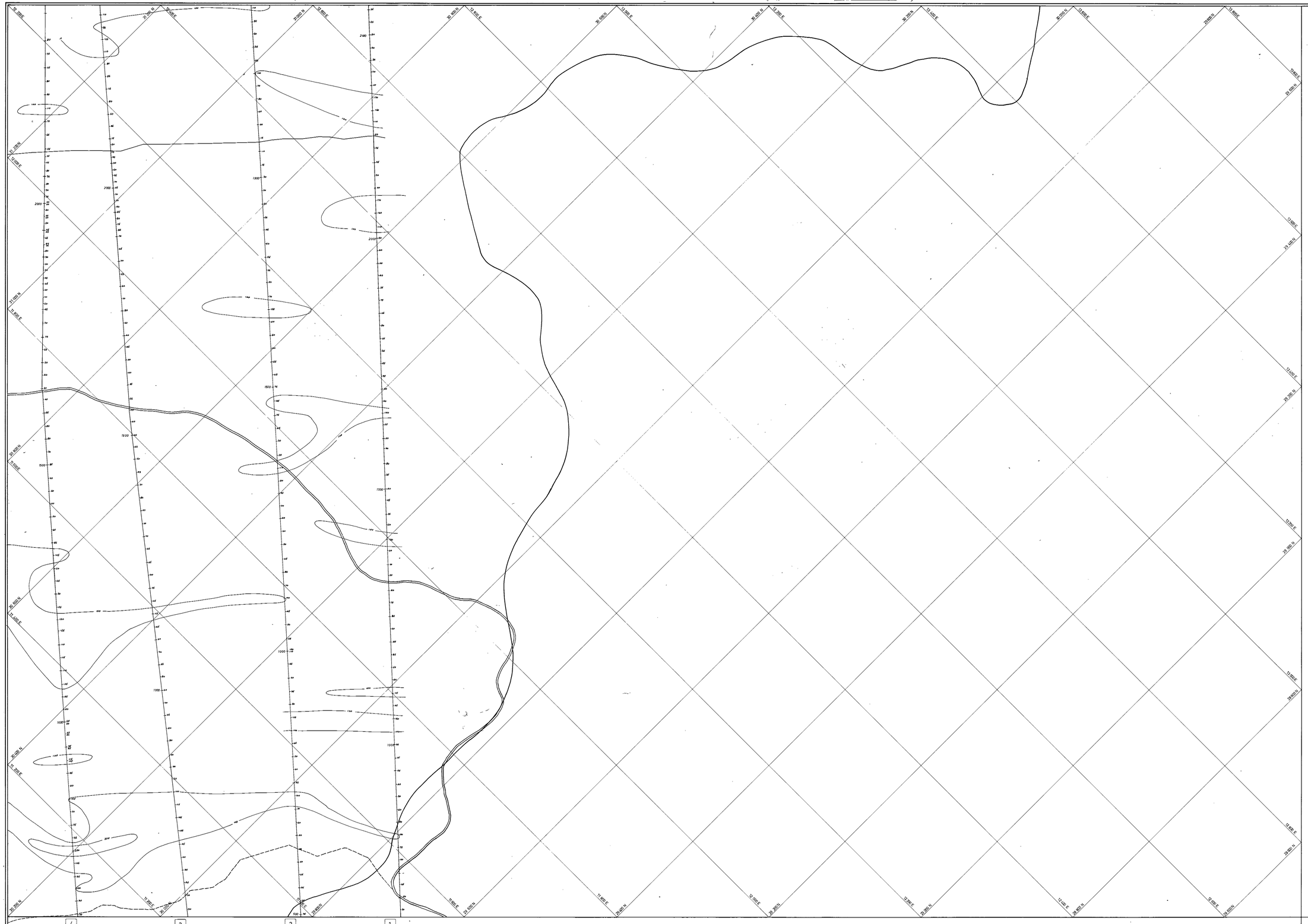
SOIL GEOCHEMISTRY — LEAD

GEOLOGIST :	SCALE 1: 2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No. MLP 48

ORIGINAL
1:2000

NORTH MOUNT
STANDARD M17
1:2000 Soil Geochem.
(EMG) Pb

20



RENISON LIMITED

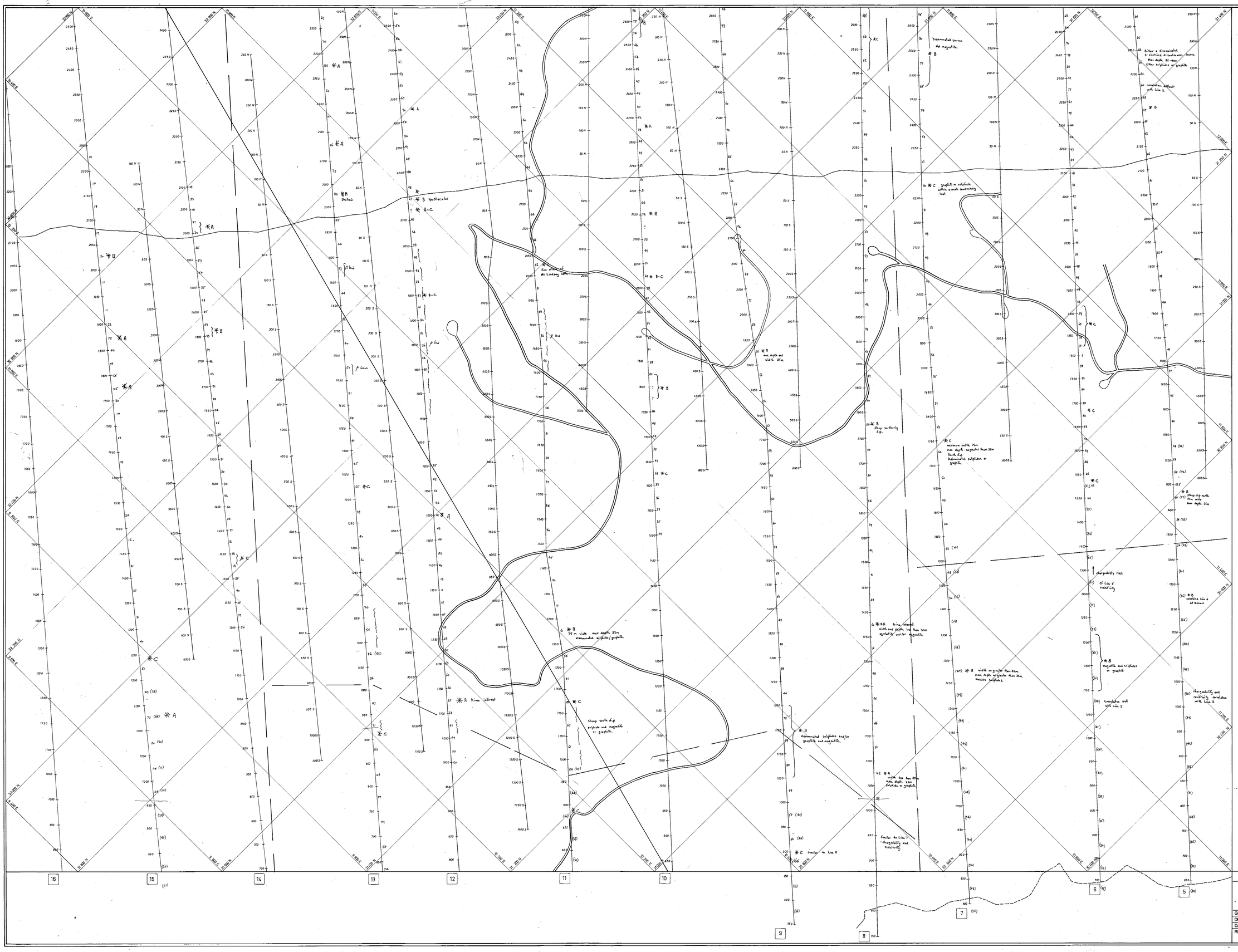
MOUNT LINDSAY M17

SOIL GEOCHEMISTRY - ZINC

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No.

NORTH PIGMAN
STANDARD M17
1:2000 SOIL GEOCHEM.
(RMK)

21



RENISON LIMITED

MOUNT LINDSAY M16

APPARENT CHARGEABILITY

GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: APRIL '77	
REVISIONS	:	DRAWING No. MLP 112

NORTH PIGWAN
STANDARD MIG
1:2000 CHARGEABILITY
DATA
(RMG)

05 - 2405
Mt. Lindsay
(E.L. 2/43 & E.L. 18/73)

22



RENISON LIMITED

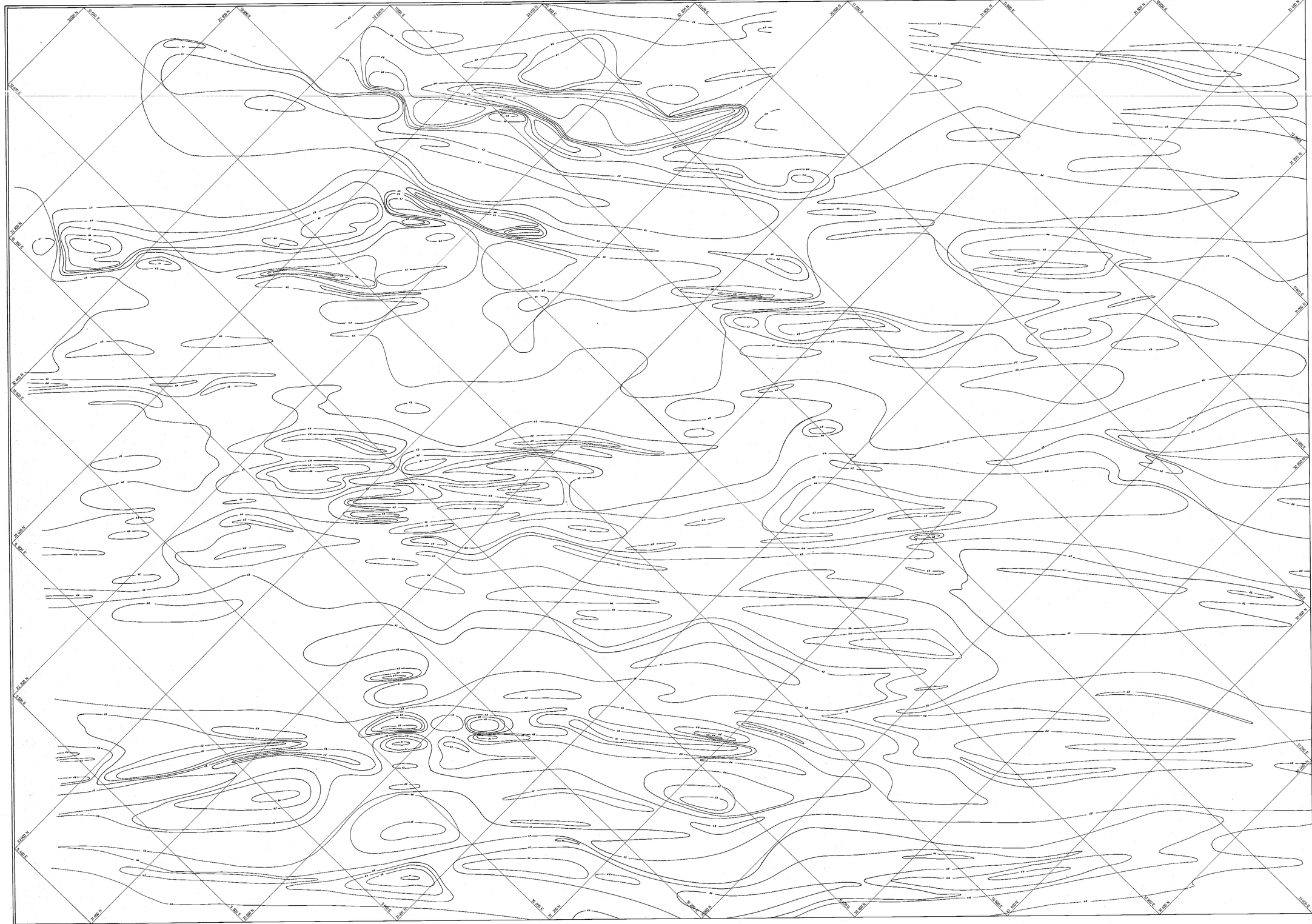
MOUNT LINDSAY M16

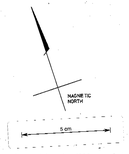
APPARENT RESISTIVITY

GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: APRIL '77	
REVISIONS		DRAWING No. MLP 110

NORTH VIEWAN
STANDARD M16
1:2000 RESISTIVITY
(RMG) DATA
(1977)

23





Contour Interval 1000 gammas

- Magnetic high exceeding 65000 gammas
- 64 - 65000
- 63 - 64000
- 62 - 63000
- 61 - 62000
- Magnetic low less than 61000 gammas

RENISON LIMITED

MOUNT LINDSAY M16

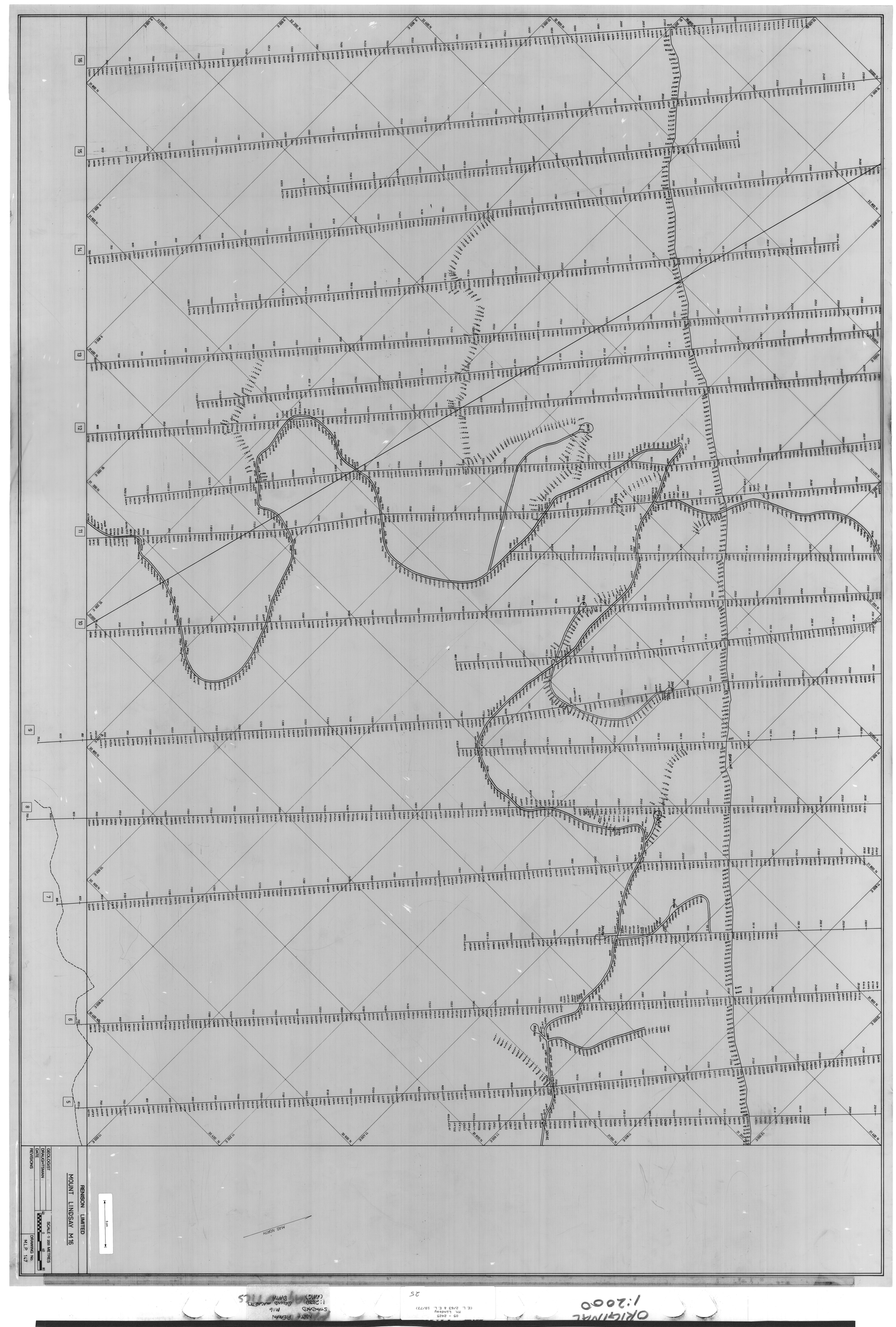
TOTAL MAGNETIC INTENSITY CONTOURS

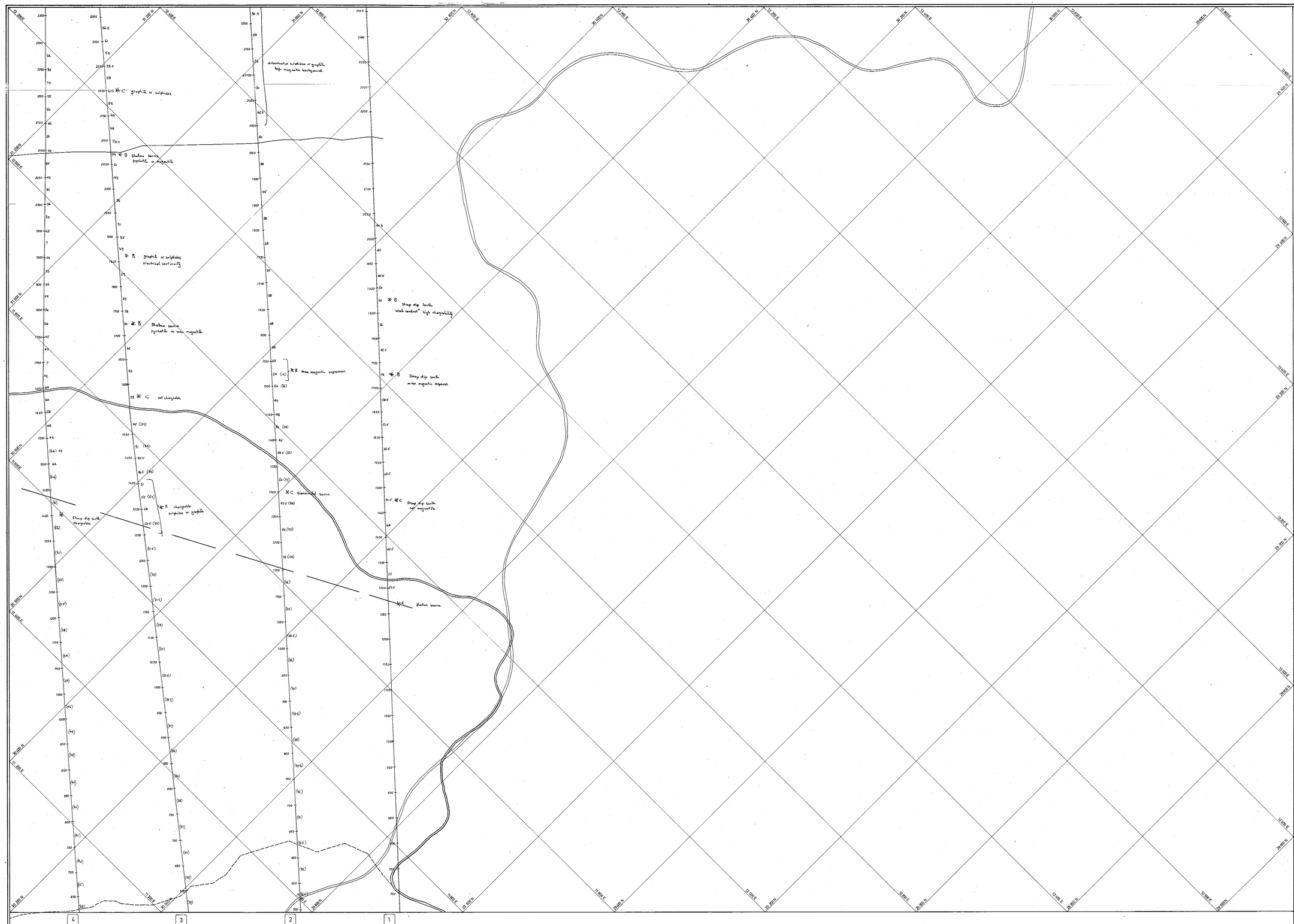
GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: MARCH '77	
REVISIONS	:	DRAWING No. MLP 108

1:2000

24

NORTH PIGMAN
STANDARD M16
1:2000 MAGNETIC
(RMG) CONTOURS
(1977)


REINSON LIMITED
MOUNT LINDSAY M16
SCALE 1:100 METRES
DRAWING No. M.L.P. 1-7
GRID/LOCKEY
DRAUGHTSMAN
DATE
REVISIONS
GRID NORTH
ORIGINAL
1:2000
NORTH REDMAN
STANDARD M16
1:2000
(AMC)
85 - 4625
Mt. Lindsay
(C.L. 2/63 & C.L. 10/73)
25



* A Anomaly with priority

Resistivity Low

5 cm

RENISON LIMITED

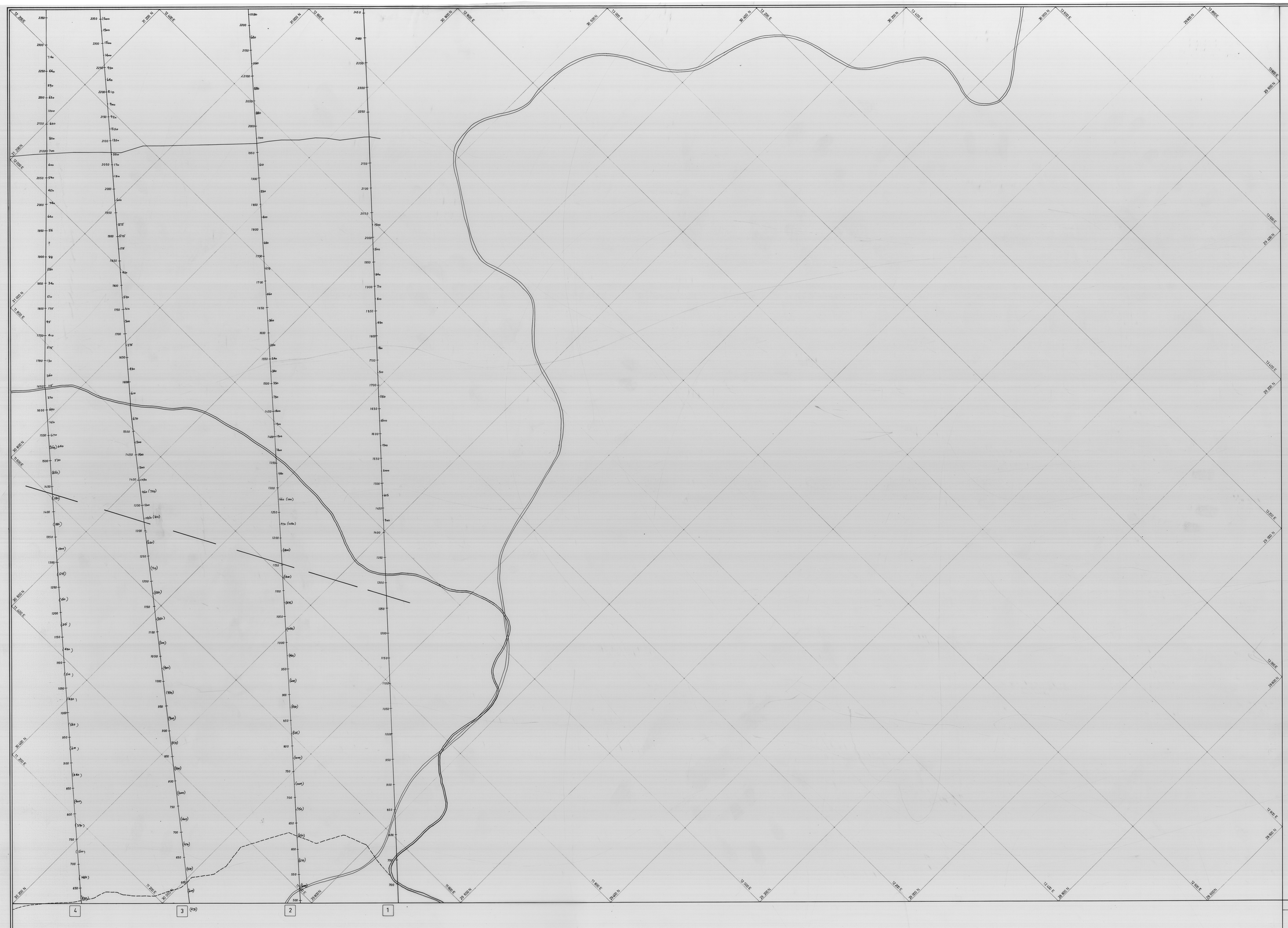
MOUNT LINDSAY M17

APPARENT CHARGEABILITY

GEOLOGIST : A. ROSS	SCALE - 1 : 2000 METRES
DRAUGHTSMAN : J. MATTHEWS	40 0 40 80
DATE : APRIL '77	
REVISIONS :	DRAWING No. MLP 113

NORTH PIGMAN
STANDARD M17
1:2000 CHARGEABILITY
(RMC) DATA

26



5 cm

RENISON LIMITED

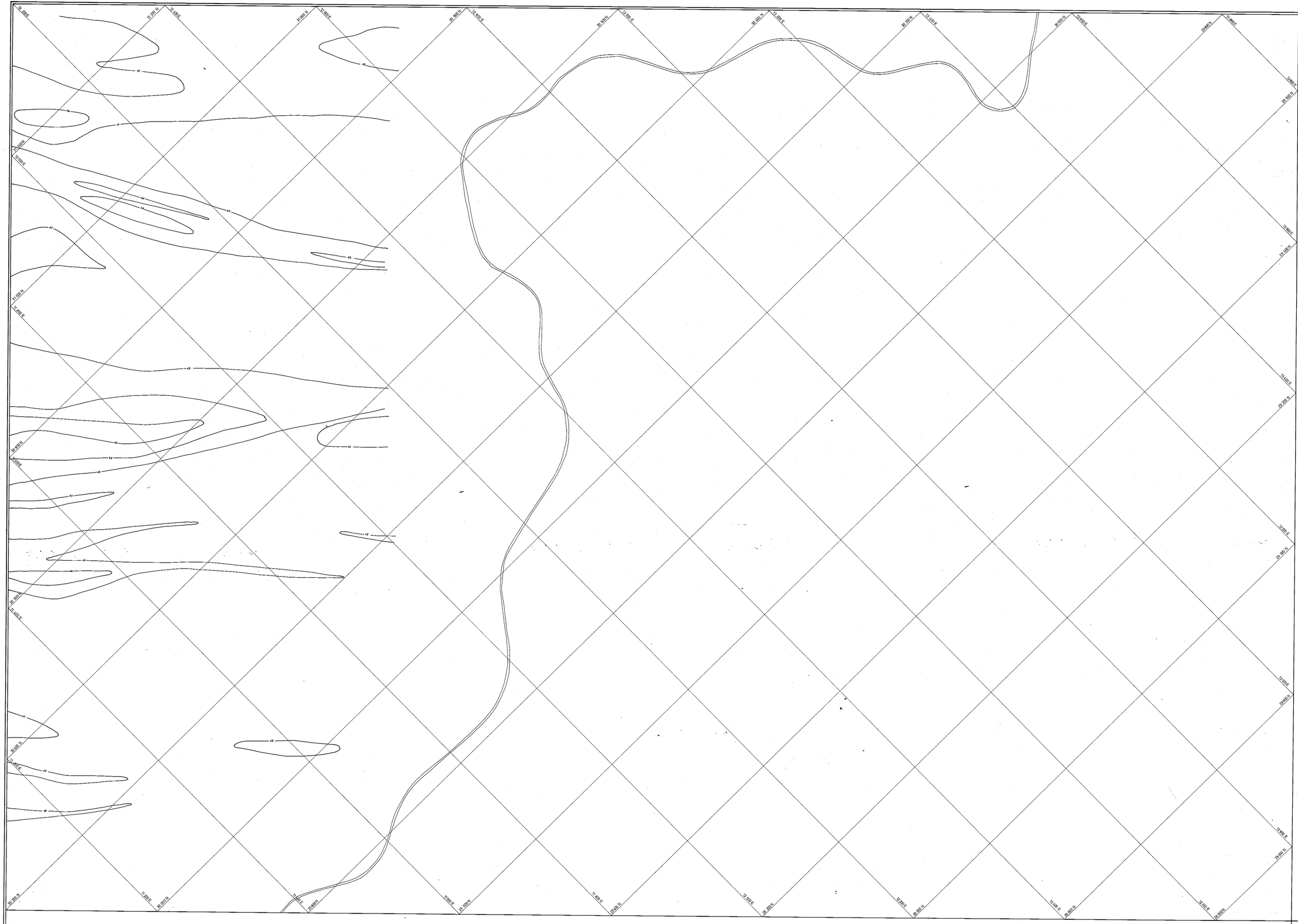
MOUNT LINDSAY M17

APPARENT RESISTIVITY

GEOLOGIST	A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	J. MATTHEWS	40 0 40 80
DATE	14·4·77	
REVISIONS		DRAWING No. MLP 111

NORTH PERMAN
STANDARD M17
1:2000 RESISTIVITY
(RMC) DATA

27



Contour Interval 1000 gammas

- Magnetic high exceeding 65000 gammas
- 64 - 65000
- 63 - 64000
- 62 - 63000
- 61 - 62000
- Magnetic low less than 61000 gammas

RENISON LIMITED

MOUNT LINDSAY M17

TOTAL MAGNETIC INTENSITY CONTOURS

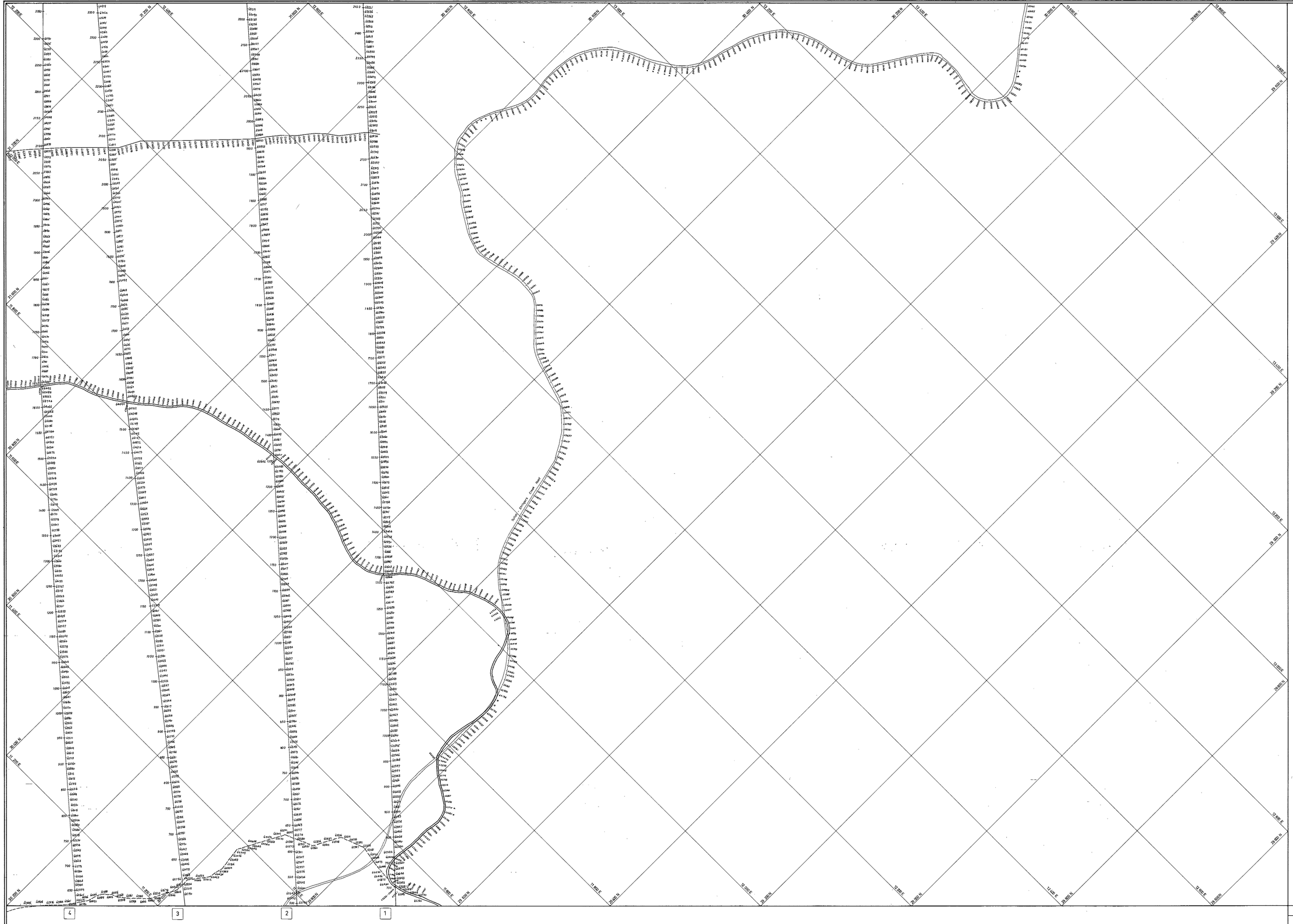
GEOLOGIST	: A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN	: J. MATTHEWS	40 0 40 80
DATE	: MARCH '77	
REVISIONS	:	DRAWING No. MLP 109

1:2000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

26

NORTH PIGMAN
STANDARD M17
1:2000 MAGNETIC
CONTOURS
(1977)



* Reading not taken or suspect due to the presence of H.E.C machinery (magnetic contamination)

RENISON LIMITED

MOUNT LINDSAY M17

GEOLOGIST :	SCALE 1:2000 METRES
DRAUGHTSMAN :	40 0 40 80
DATE :	
REVISIONS :	DRAWING No. M.L.P. 148

03 - 2425
Mt. Lindsay
(E.L. 2743 & E.L. 18/73)

29

NORTH PIEMAN
STANDARD M17
1:2000 GROUND MAGNETICS
(RMG) DATA

1:2000

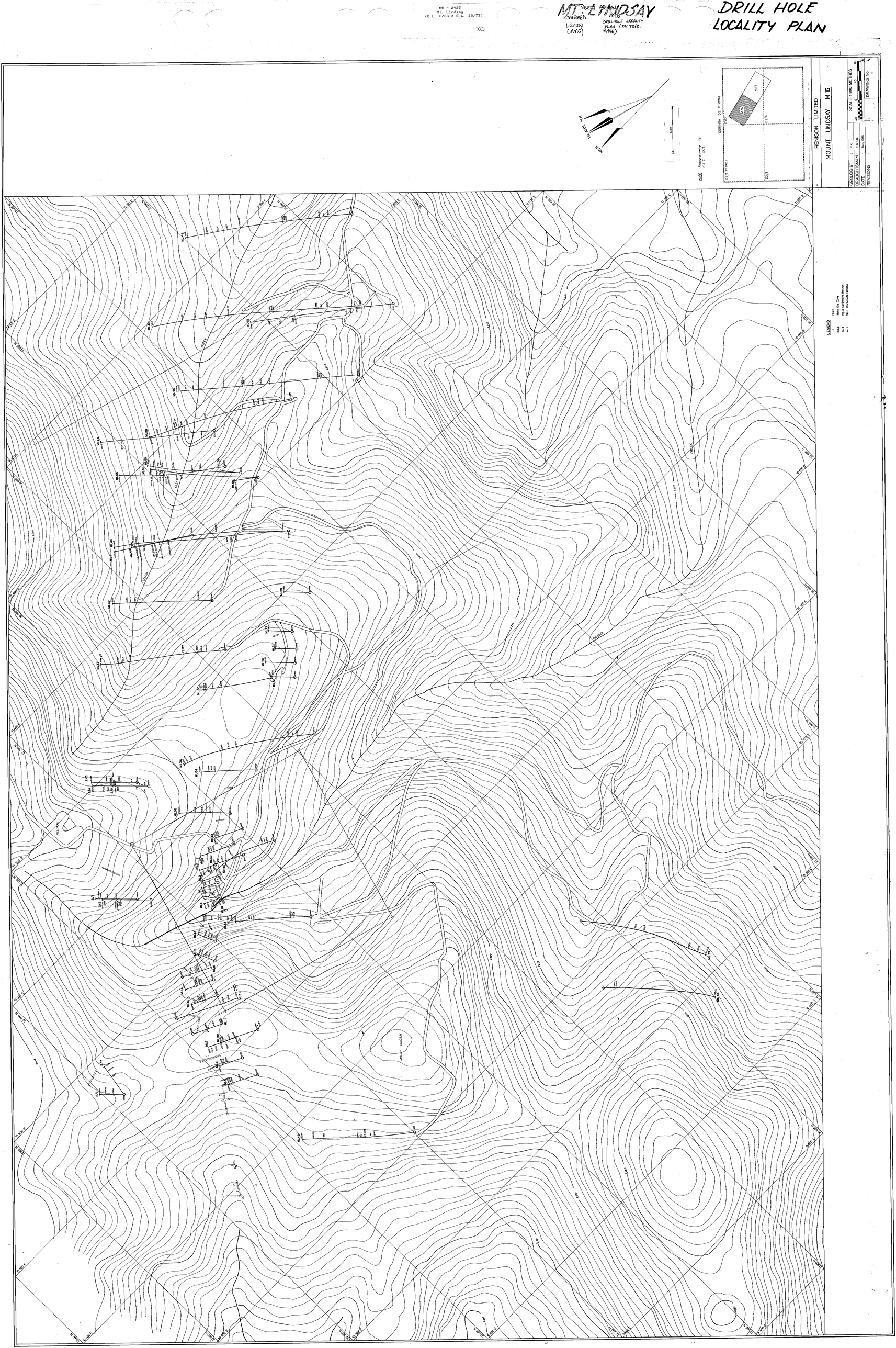
95 - 2485
Mt. Lindsay
(E.L. 2/63 & E.L. 10/73)

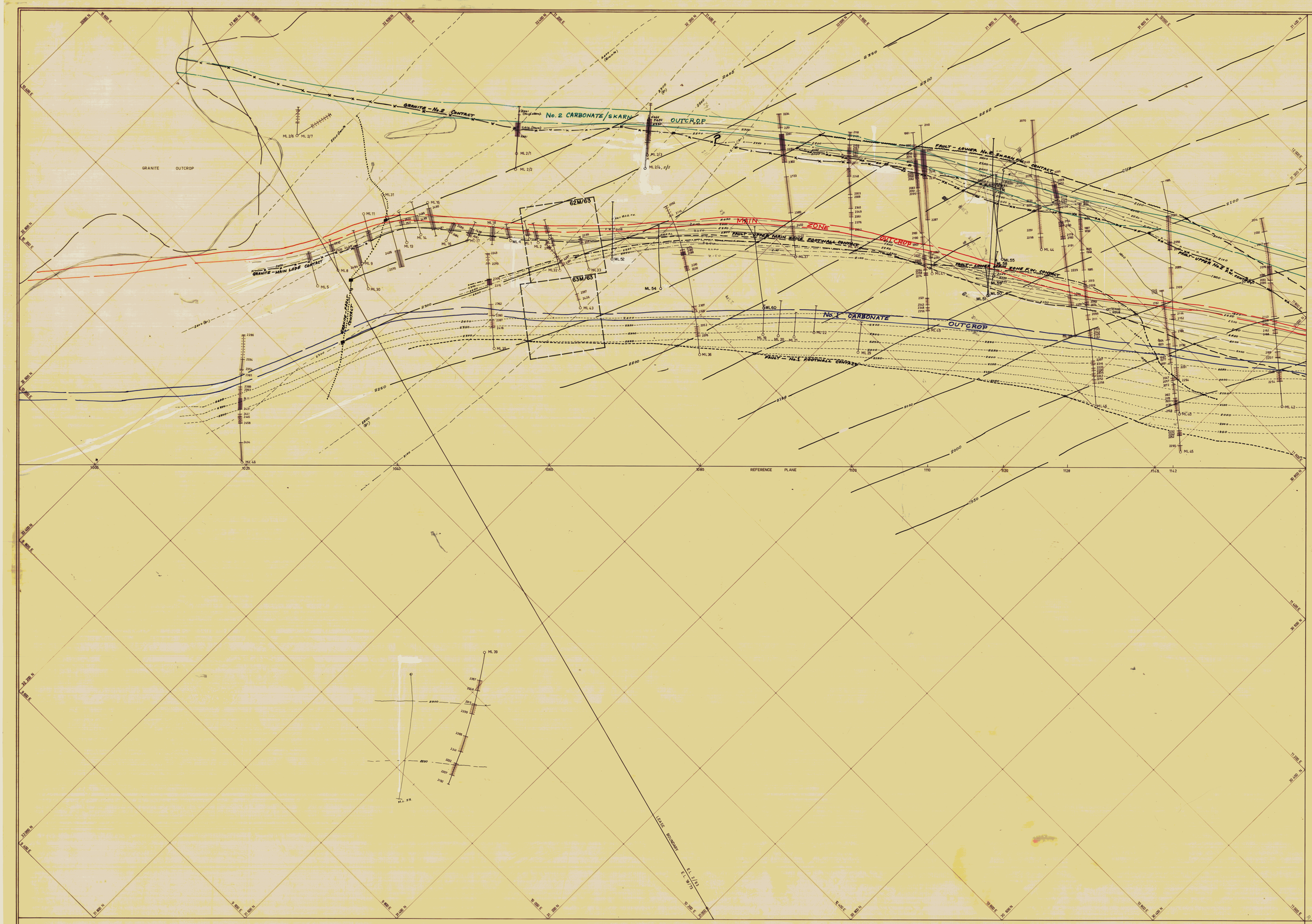
30

MT LINDSAY
STANDARD
1:2000
(CMIG)

MT LINDSAY
DRILLHOLE LOCALITY
PLAN (ON TOPO.
BASE)

DRILL HOLE LOCALITY PLAN





5 cm

KEY

Fault contours

Granite contours

Fault - granite contact

Nº 1:

Footwall contours

Footwall contact with fault

Outcrop

MAIN ZONE:

Footwall contours above fault

Footwall contours below fault

Upper carbonate contact with fault

Lower carbonate contact with fault

Granite - Main Zone contact

Outcrop

Nº 2:

Footwall contours above fault

Footwall contours below fault

Upper carbonate contact with fault

Lower carbonate contact with fault

Granite - Nº 2 contact

Outcrop

MINERALISATION:

Tin skarn

Lode beds (Abertoyle term)

INTRUSIVE ROCKS

Granite - Devonian

Gabbro - Cambrian

CRIMSON CREEK FORMATION CAMBRIAN

Volcaniclastic Sediments
Tuffaceous greywacke, siltstone

Strongly magnetic zone

Mottled zone

Carbonate - chert horizon

30 JUNE 1978

* TRACE DRILL HOLE PLOT OF ML 51, 52, 53, 54, 55

* TAKE OFF PROPOSED DRILL HOLE PLOTS

M N

RENISON LIMITED

MOUNT LINDSAY M16

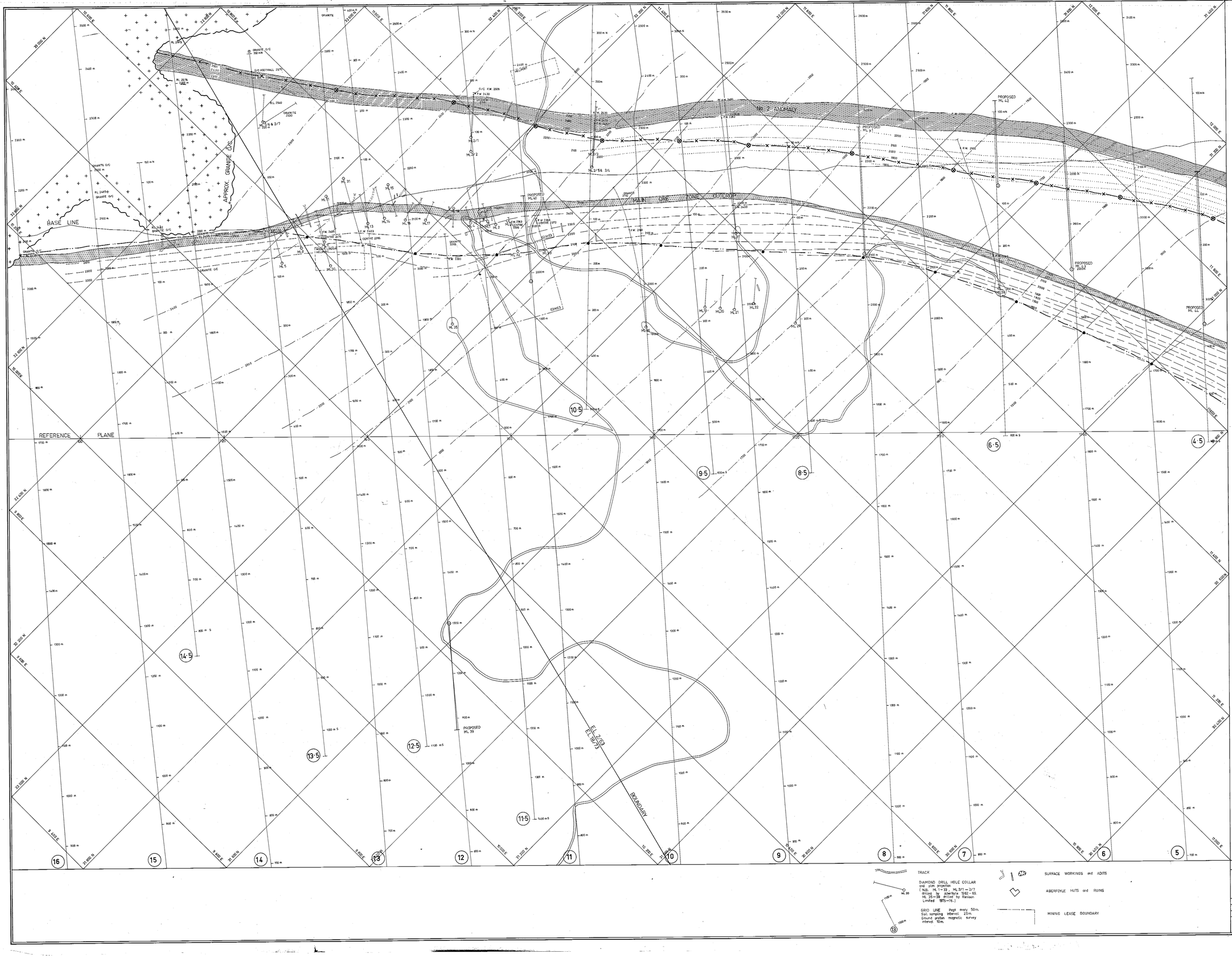
D.D.H. GEOLOGICAL PLAN

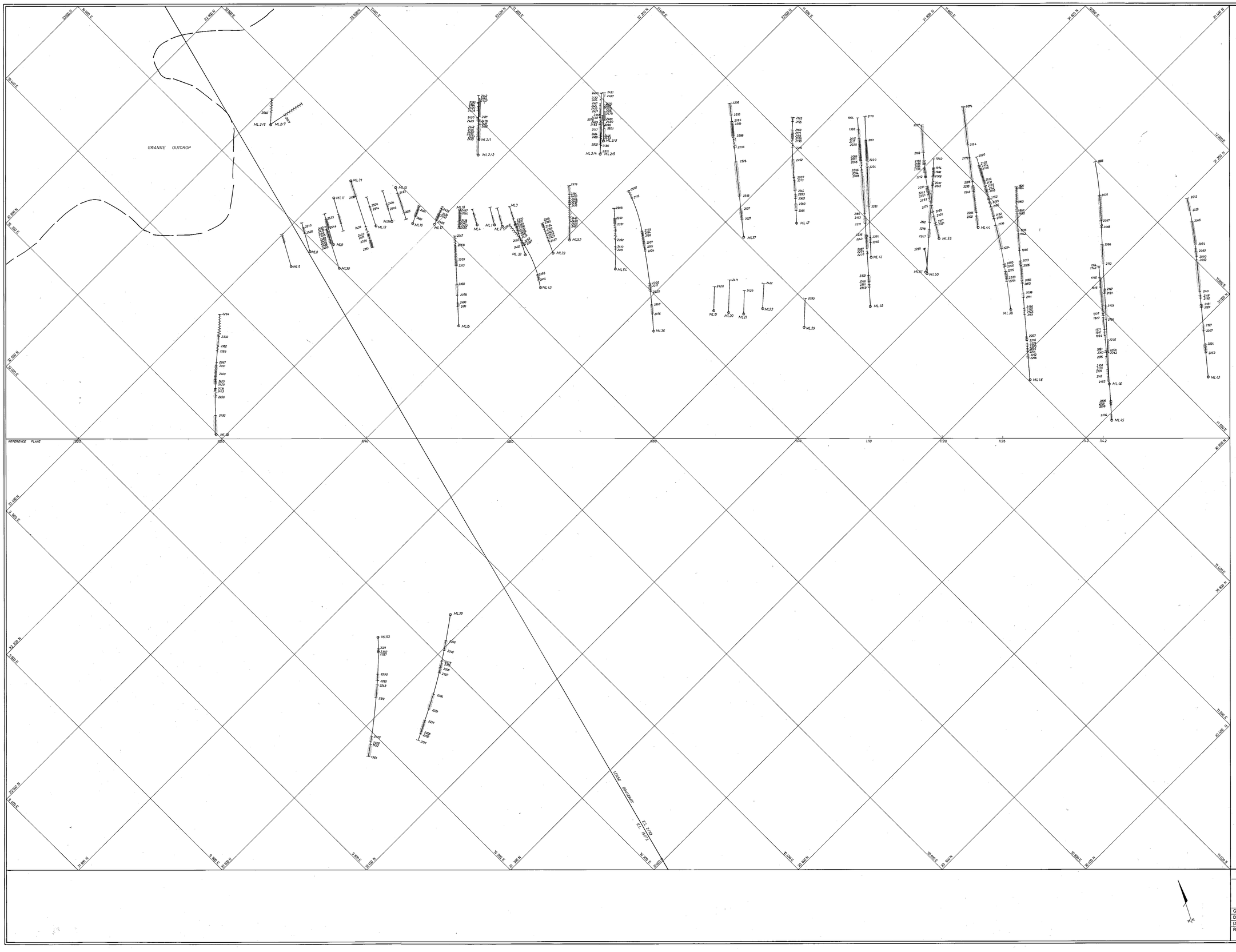
GEOLOGIST	R.R. Schellekens	SCALE 1:2000 METRES
DRAUGHTSMAN	J.M. Matthews	40 0 40 80
DATE	May 1978	
REVISIONS		DRAWING No. MLP 124

NORTH PIEMAN STANDARD M16 STRUCTURE CONTOUR PLAN (May, 1978)

1:2000

31


BASE LINE
REFERENCE PLANE
APPROX. GRANITE O/C
MAIN ORE ZONE OUTCROP
No. 2 ANOMALY
PROPOSED ML 39
PROPOSED ML 40
PROPOSED ML 41
PROPOSED ML 42
PROPOSED ML 43
PROPOSED ML 44
E.L. 2/73 E.L. 19/73
BOUNDARY
GRANITE O/C
GRANITE 2310
GRANITE 2250
GRANITE 2320
GRANITE 2295
GRANITE 2275
GRANITE 2285
GRANITE 2345
GRANITE 2360
GRANITE 2370
GRANITE 2380
GRANITE 2390
GRANITE 2400
GRANITE 2410
O/C FOOTWALL 2470
O/C F.W. 2509
O/C F.W. 2530
F.W. 2430
F.W. 2440
F.W. 2450
F.W. 2460
F.W. 2470
F.W. 2480
F.W. 2490
F.W. 2500
F.W. 2510
F.W. 2520
F.W. 2530
F.W. 2540
F.W. 2550
F.W. 2560
F.W. 2570
F.W. 2580
F.W. 2590
F.W. 2600
F.W. 2610
F.W. 2620
F.W.



RENISON LIMITED

MOUNT LINDSAY M16

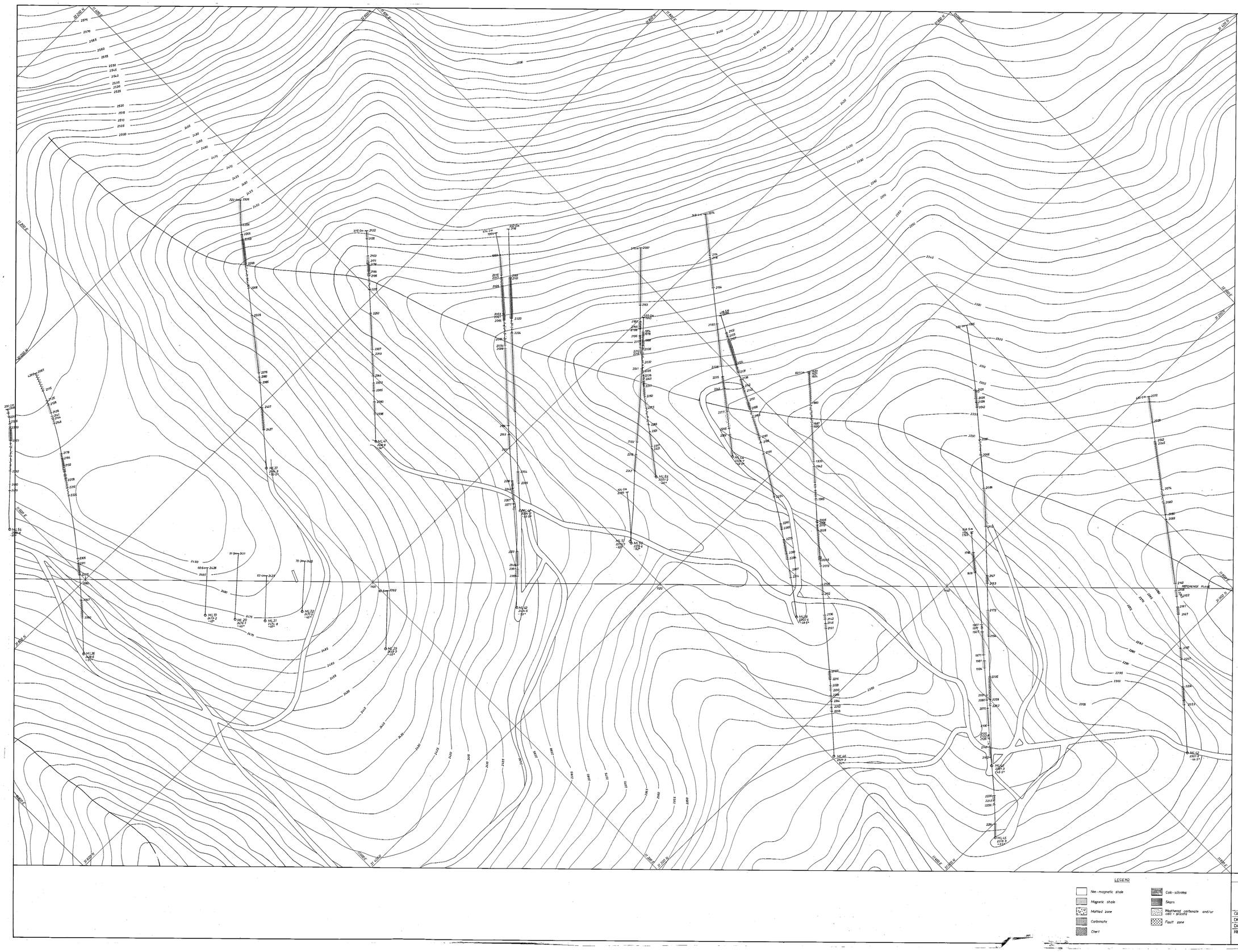
D.D.H. GEOLOGICAL PLAN

GEOLOGIST : R. Schellekens	SCALE 1:2000 METRES
DRAUGHTSMAN : J. Matthews	40 0 40 80
DATE : August 1979	
REVISIONS :	DRAWING No. M.L.P. 139

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

33

NORTH DIGMAN
M16
STANDARD
DRILLHOLE
GEOLOGY
1:2000



LEGEND

- Non-magnetic shale
- Magnetic shale
- Mottled zone
- Carbonate
- Chert
- Calc-silicates
- Skarn
- Weathered carbonate and/or calc-silicate
- Fault zone

RENISON LIMITED

MT. LINDSAY AREA

DRILL HOLE LOCATIONS - MAIN LODE AND N°2 CARBONATE DRILLING

GEOLOGIST	: R. Schellekens	SCALE 1:1000 METRES
DRAUGHTSMAN	: J. Matthews	20 0 20 40
DATE	: August 1979	
REVISIONS	:	DRAWING No.

NORTH PIENAAR
DRILL HOLE
GEOLOGY
(EAST OF MT. LINDSAY MINE)
1:1000
MT. LINDSAY
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

34

MEREDITH GRANITE

MOUNT LINDSAY

HELIPORT

No. 2 HORIZON

MAIN ORE ZONE

GRANITE FAULT C CONTACT

GRANITE FAULT B CONTACT

FAULT A

FAULT B

FAULT C

FAULT D

FAULT E

Longitudinal Projection Reference Line

CIRQUE

CIRQUE

ML-53

ML 35

ML 63/83

ML 62/82

ML 61/81

ML 60/80

ML 59/79

ML 58/78

ML 57/77

ML 56/76

ML 55/75

ML 54/74

ML 52/72

ML 51/71

ML 50/70

ML 49/69

ML 48/68

ML 47/67

ML 46/66

ML 45/65

ML 44/64

ML 43/63

ML 42/62

ML 41/61

ML 40/60

ML 39/59

ML 38/58

ML 37/57

ML 36/56

ML 35/55

ML 34/54

ML 33/53

ML 32/52

ML 31/51

ML 30/50

ML 29/49

ML 28/48

ML 27/47

ML 26/46

ML 25/45

ML 24/44

ML 23/43

ML 22/42

ML 21/41

ML 20/40

ML 19/39

ML 18/38

ML 17/37

ML 16/36

ML 15/35

ML 14/34

ML 13/33

ML 12/32

ML 11/31

ML 10/30

ML 9/29

ML 8/28

ML 7/27

ML 6/26

ML 5/25

ML 4/24

ML 3/23

ML 2/22

ML 1/21

MGN

TN AMN

MN

5 cm

NOTE Photogrammetry by H E C 1975

CORINNA D-3 (1:50000)

D3/1 (1:5000)

D3/2

D3/3

D3/4

M.16

M.17

LEGEND

- Interpreted outcrop boundary or fault
- Granite contours
- Fault B contours
- Fault C contours
- Fault D contours
- Fault E contours

Main Ore Zone contours

No 2 Horizon contours

- Footwall Fault block 1 (below fault C)
- Footwall Fault block 2 (below fault D)
- Footwall Fault block 3 (below fault E)
- Footwall Fault block 4 (above fault E)
- Hanging wall Fault block 1 (below fault C)
- Hanging wall Fault block 2 (below fault D)
- Hanging wall Fault block 3 (below fault E)
- Hanging wall Fault block 4 (above fault E)

NOTE: Fault D is interpreted as terminating against Fault C, however there is a possibility that it may continue on the other side of Fault C and link with Fault B

F Fault
M.O.Z. Main Ore Zone
No.2 No. 2 Carbonate Horizon
No.1 No. 1 Carbonate Horizon

NOTES: (1) Mining zone locations taken from early mine plans. Some zone positions are approximate only.
(2) Holes ML-1-53 & D/1-2/5 were drilled from underground. Their collars are plotted according to those holes. In view approximate e.g. the complexity of contacts around the ML 35 area, the position of the holes may be somewhat wrong, for holes ML 1-4,52 & 53

RENISON LIMITED

MOUNT LINDSAY M 16

STRUCTURAL CONTOUR PLAN

GEOLOGIST	P.R.
DRAUGHTSMAN	T.B.D.S.
DATE	Oct., 1983
REVISIONS	Aug./1984 (P.R)

SCALE - 1:2000 METRES

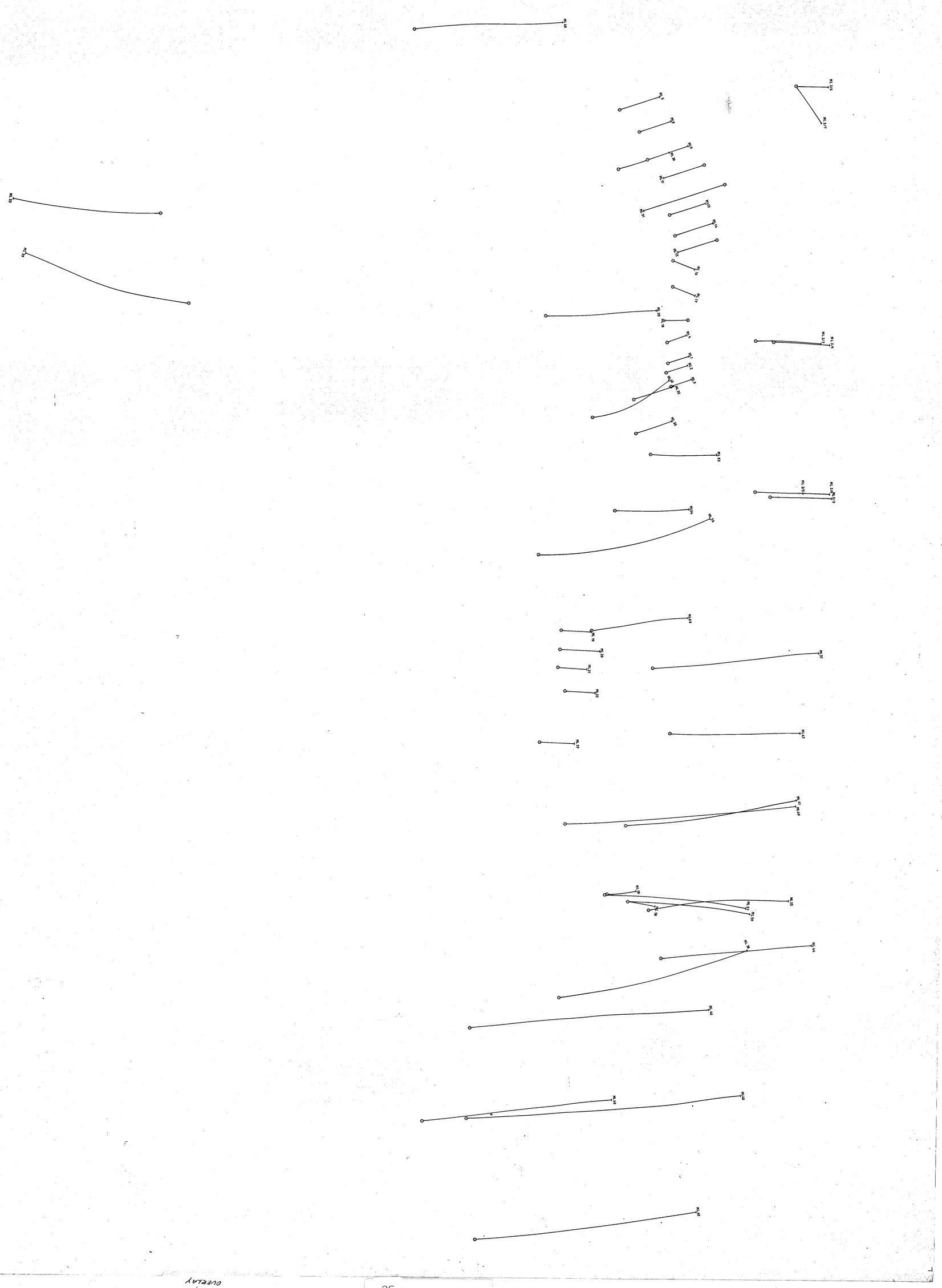
0 20 40 80

DRAWING No. 2

35

MT LINDSAY STRUCTURAL CONTOUR PLAN. (1:2000 scale) (DPC) (Oct 1983)

STRUCTURAL CONTOUR PLAN.



IVUKIH FIEMMIV
MT. LINDSAY AREA
1:600 DP.H.
LOCALITY
QUEELAY

85 - 2825
Mt. Lindsay
(E.L. 2/63 & E.L. 18/723)

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

37

NORTH (PLOTTED)
MT. LINDSAY
1:1000

LINE PROFILE
ML 6.5
DRILLHOLES ML38, ML44, ML46.

Geochemistry
P.P.M.

300 As
595 As
275 As

200 180 160 140 120 100 80 60 40 20 0

400 S 300 S 200 S 100 S 00 100 N 200 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100
60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100
60 40 20 0

Total Magnetic Field (δ)

63000 – 65,000
800 (– – –) 64,000 (——)
600 – 63,000
SCALE 400 – 62,000 SCALE
FINE 200 – 61,000 COARSE
62,000 – 60,000

400 S 300 S 200 S 100 S 00 100 N 200 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2450 2400 2350 2300 2250 2150 2100 2050 2000 1950 1900 1850 1800 1750

MAGNETIC SUSCEPTIBILITY × 10^{-4} c.g.s. units
100 1000 10000 100000

Nº 1
MAIN LODE
SOUTH EAST CREEK
Nº 2

Base of weathering

Trace pyrrhotite <0·1% Sn

Trace pyrrhotite throughout <0·1% Sn
Garnet – vesuvianite alteration

75·7
82·0
92·3
103·0
110·0
119·0
127·2
139·7
Nº 1 ANOMALY
Mostly chert, minor carbonate near centre

Trace pyrrhotite, minor calc silicate alteration <0·1% Sn

210·9
218·8
223·8
231·9
262·1
278·2

Altered seds. Trace pyrrhotite

Core broken. Minor brecciated fragments. Rhodochrosite veins.

Magnetite carbonate cassiterite skarn.

Minor quartz, actinolite veinlets with trace pyrrhotite

ML38
ML 44

309·5
318·7
Calc-silicates, rare scheelite
MAIN LODE
Grey carbonate with minor cherts
Slates chert and carbonate
Calc silicate and carbonate cherty sediments 369·1
379·0

MAIN LODE

Interbedded magnetic and non magnetic bands

421·1
475·5
483·1

Nº 2

511·8
545·0
Mottled zone
578·6
Carbonate calc-silicate chert and shale.
Pyrrhotite – chlorite
Carbonate
Calc-silicates
Carbonate
Calc-silicates minor pyrrhite
Fault zone
624·5
629·0
632·0
Nº 2 ANOMALY
ML 46

% Sn.
% Sol. Sn.
ML 46 & ML 46 A

0·02 0·03 0·10 0·11 0·11 0·11
39·0m
96·9m
% Sn.
ML 44

79·6m
112·8m
% Sn.

288·9m
282·8m
% Sn.

339·0m
388·0m
% Sol. Sn.
ML 38

5 cm

I.P. DATA
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N. W.
NOTE DISTANCES SLOPE NOT HORIZONTAL

LEGEND

VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a. Strongly magnetic zones
b. Mottled alteration zones
Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.

SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.

GRANITE

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID
LINE 6·5

GEOLOGIST : R.R. Schellekens
DRAUGHTSMAN : J.M. Matthews
DATE : May 1978
REVISIONS :

SCALE 1: 1000 METRES
20 0 20 40

DRAWING No.
MLP 128

Geochemistry
P.P.M.
670 As
875 As
730 As
600 As
780 Zn
540 Zn
200
180
160
140
120
100
80
60
40
20
0
2000
2100
2200
2300
2400
2500

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

Total Magnetic Field (γ)
63000 — 65.000
800 — 64.000
600 — 63,000
400 — 62,000
200 — 61,000
62,000 — 60.000
SCALE (- - -) FINE
SCALE (——) COARSE

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m
2500
2450
2400
2350
2300
2200
2150
2100
2050
2000
1950
1900
1850
Magnetic Susceptibility × 10⁻⁶ c.g.s. units
100
1000
10000
ML 50
Proj. 4·0m NW
ML 51
Proj. 2·5m NW
ML 55
Proj. 17·0m NW
Proj. 2·5m NW
Length 104·0m
Proj. 3·0m NW
Length 340·0m
Proj. 14·0m NW
Length 493·0m
2161
Magnetic shale
Fault zone
No 2 Carbonate (upper) partly weathered to kaolin and calc-silicates
No 2 carbonate (lower) Calc-silicates + chert
No 2 Carbonate (lower) minor sulphides
2000
2100
2200
2300
2400
2500

I.P. DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

Section looking N.W.
NOTE: Distances slope, not horizontal

LEGEND
VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones
CHERT
MOTTLED ZONES
CARBONATE ZONE
Minor chert and calc-silicates
CALC SILICATES
CLAY
Weathered carbonate and/or calc-silicates
SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite
FAULT ZONE
MEREDITH GRANITE

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID
LINE ML.7
HOLES ML50, 51 & 55

GEOLOGIST : R.R. Schellekens
DRAUGHTSMAN : J.M. Matthews
DATE : August 1979
SCALE 1:1000 METRES
20 0 20 40
REVISIONS :
DRAWING No. MLP 142

North Pilbara Mt. Lindsay Line Profile Drillholes ML50, ML51, ML55
38
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
1:1000

Geochemistry

P.P.M.

670 As | 675 As | 730 As | 600 As | 780 Zn | 540 Zn

200 180 160 140 120 100 80 60 40 20 0

2000mN. 2100mN. 2200mN. 2300mN. 2400mN. 2500mN.

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –) | CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100 | 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) | CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100 | 60 40 20 0

Total Magnetic Field (δ)

63000 800 600 400 200 62,000 (– – –) FINE SCALE | 65,000 64,000 63,000 62,000 61,000 60,000 (——) COARSE SCALE

2000mN. 2100mN. 2200mN. 2300mN. 2400mN. 2500mN.

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2500 2450 2400 2350 2300 2250 2200 2150 2100 2050 2000 1950 1900 1850 1800

ML 50 Proj. 7·2mE | ML 51 Proj. 7·7mE. | ML 58 Proj. 4·1mW. | ML 59 Proj. 4·1mE. | ML 55 Proj. 19·3mW.

Weathered Siltstones and Shales | Siltstone and Shale | Non Magnetic Siltstone & Shale | Siltstone Shales | Siltstone Shales | Shales and Siltstones | Magnetic Siltstones & Shales | Siltstones and Shales | Mottled Zone | Mottled Zone Non magnetic Shales & Siltstones | Proj. 10·8mW. Length 83·0m | Proj. 11·6mE. Length 104·0m. | Magnetic Siltstones & Shales | Magnetic Siltstones and Shales | FAULT ? | Siltstones, Shales and Tonalites | Magnetic Siltstones & Shales | Siltstone Shales | FAULT | Mottled zone | Shales and Siltstones | Proj. 8·4mW. Length 340·0m | Fault zone | Mottled Zone | Calc-silicates | Mottled zone | Proj. 18·1mW. Length 371·0m | Mottled Zone | NO. 2. ANOMALY | Mg.F. Carbonate (calc-silicates & minor sulphides) | Shales | Proj. 17·8mW. Length 493·0m | FAULT ZONE | Mg.F. Carbonate (heavy calc-silicates & Shale) | Shales Siltstones

NO. 2. ANOMALY

Zone c. 0·06% Sn, 0·04% Sn, 0·06% Cu, 0·02% WO₃, 2oz/t Ag., 0·005% Bi, 0·01% Zn, 10·01% Pb; 0·04% Sn.

%Sn	%Sn	%Cu	%WO_3	g/t Ag	%Bi
0·09	0·05	0·04	0·01	1	0·005
0·11	0·05	0·01	0·01	1	0·002
0·13	0·08	0·01	0·01	1	0·005
0·08	0·05	0·06	0·01	2	0·008
0·08	0·07	0·07	0·01	2	0·001
0·11	0·06	0·11	0·16	3	0·003
0·12	0·06	0·07	0·08	3	0·008
0·11	0·06	0·11	0·04	3	0·003
0·13	0·06	0·08	0·08	4	0·002
0·11	0·08	0·13	0·01	4	0·011
0·13	0·08	0·04	0·01	4	0·008
0·10	0·09	0·03	0·01	4	0·001
0·10	0·06	0·03	40·01	4	0·001
0·07	0·05	0·02	*	4	0·008
0·09	0·08	0·04	*	2	0·008
0·08	0·07	0·11	*	3	0·010
0·09	0·06	0·08	*	3	0·007
0·12	0·10	0·04	*	4	0·010
0·02	0·01	0·02	*	2	0·007
0·24	0·01	0·10	0·01	1	0·010
0·04	0·01	0·04	0·01	1	0·007
0·08	0·01	0·10	0·03	1	0·012
0·07	0·02	0·08	0·02	1	0·018
0·01	0·01	0·06	0·02	1	0·008
0·02	0·01	0·05	0·01	1	0·005
0·03	0·03	0·03	0·01	<2	0·005
0·03	0·03	0·03	40·01	<2	0·001
0·07	0·03	0·05	0·01	3	0·004
0·04	0·08	0·05	40·01	3	0·004
40·01	0·02	0·02	*	1	0·001
347·6 0·05	0·05	0·04	*	2	0·004

Section looking N.W.

NOTE: Distances slope, not horizontal

5 cm

I.P. DATA: Chargeability; Resistivity

MAGNETICS: 5000 γ Scale; 1000 γ Scale

SOIL GEOCHEMISTRY: Sn, Cu, Pb, Zn, As, W

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones; Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and / or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

RENISON LIMITED	
E.L. 2/63 MT. LINDSAY LINE PROFILE LINE M.L.7 SHOWING D.D.H. 50, 51, 55, 58 & 59. TRENDING 043·5° RMG; LOOKING WEST	
GEOLOGIST : L.Martin	SCALE·1:1000 METRES
DRAUGHTSMAN : T.G.D.S.	0 0 0
DATE : JUNE 1982	
REVISIONS :	DRAWING No. Fig. 8a.)

Sketch Plan
MT. LINDSAY
M.L.7
1:1000
DRILLHOLES M50/
M51, M55, M58
& M59

85 - 8425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

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ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

40

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:1000 M.L.8
DRILLHOLES ML41 & ML49

Geochemistry
P.P.M.
200 180 160 140 120 100 80 60 40 20 0
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

M.I.P. & E.I.P Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000 1000 500 300 200 100
60 40 20 0
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000 1000 500 300 200 100
60 40 20 0
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

Total Magnetic Field (δ)
(- - -) SCALE FINE
(——) SCALE COARSE
800 400 200
65,000 64,000 63,000 62,000 61,000 60,000
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N
SUSCEPTIBILITY ×10⁻⁶ c.g.s. units
10000 1000 100
MAGNETIC

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m
2400 2350 2300 2250 2200 2150 2100 2050 2000 1950
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

TRACK
Nº 1 ANOMALY
MAIN LODE
SOUTH EAST BASELINE CREEK
Nº 2 ANOMALY
Base of weathering
Non-magnetic shales
Clays and weathered rock.
Magnetic shales
Non-magnetic shales
Magnetic shales
Fragments chert impure carbonate. <0.1% Sn.
Minor quartz actinolite veining.
Brecciated actinolite rich zone.
Shales
Mottled zone
Shales
Core very broken.
176.1
Carbonate - cherts near base
Interbedded carbonate calc silicates and shales
207.7
218.3
Non - magnetic shales
Magnetic shale
Non - magnetic shales
Sheared zone
Broken zones
MASSIVE MAGNETITE
Granite vein
Nº 2 ANOMALY
ML 41
Shales
Magnetic shales
Mottled zone
Chlorite - magnetite + pyrrhotite
Calc - Silicates
Chlorite - sulphides
443.3
Cherts - some chlorite and pyrrhotite
452.0
Non-magnetic shales
505.5
Magnetic shales
Non-magnetic shales
Shales + pyrrhotite
Shales
574.2
ML 49
MAIN LODE ?
494.3m
444.3m
230.6m
330.5m
% Sn.
ML 49
% Sol. Sn.
% Sn.
ML 41
% Sol. Sn.

LEGEND

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

a VOLCANICLASTIC SEDIMENTS
b Metasomatised Tuffs.
a. Strongly magnetic zones.
b. Mottled alteration zones. Bleached mottled colours at contact of carbonate horizon.
CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.
SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.
GRANITE

SECTION LOOKING N.W.
N.B. DISTANCES SLOPE, NOT HORIZONTAL

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID.
LINE M.L.8

GEOLOGIST	: R.R. Schellekens
DRAUGHTSMAN	: J. M. Matthews
DATE	: May 1978
REVISIONS	:

SCALE 1:1000 METRES
20 0 20 40

DRAWING No.
MLP 131

ORIGINAL
1:1000

MT LINDSAY
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

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NORTH PIEMAN
MT. LINDSAY
1:1000
LINE PROFILE
M.L. 8.5
DRILLHOLE ML47

Geochemistry
P.P.M.
200
180
160
140
120
100
80
60
40
20
0
300 S
200 S
100 S
00
100 N
200 N
300 N

M.I.P. & E.I.P Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

Total Magnetic Field (δ)
63000 — 65,000
800 — 64,000
600 — 63,000
400 — 62,000
200 — 61,000
62,000 — 60,000
(- - -) SCALE FINE
(——) SCALE COARSE
300 S
200 S
100 S
00
100 N
200 N
300 N

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m
2550
2500
2450
2400
2350
2250
2200
2150
2100

MAGNETIC SUSCEPTIBILITY
100
1000
100000
100000
× 10⁻⁶ c.g.s. units

Nº 1 ANOMALY ?
MAIN LODE ?
Nº 2 ANOMALY ?
S.E. CREEK
Metasomatised tuff
Slight disseminate sulphides
Metasomatised tuff
ML 29
Nil
Sn
Metasomatised tuff Base of weathering at 25 m
Magnetic tuff
Metasomatised tuff
Magnetic band 39.6 - 40.7
Magnetic tuff
Metasomatised tuff
Magnetic tuff
Metasomatised tuff
Magnetic tuff
Metasomatised tuff
Magnetic tuff
Metasomatised tuff
Magnetic and non-magnetic metasomatised tuffaceous sediments
MAIN LODE ?
Mottled alteration zone
Calc-silicate & minor magnetite and disseminated pyrrhotite, rare scheelite
Magnetite, chlorite, pyrrhotite, rare scheelite
Calc-silicate & minor magnetite and disseminated pyrrhotite rare scheelite
Mottled zone
Magnetic tuffs
Nº 2 ANOMALY Skarn zone
Metasomatised tuffs
Nº 2 ANOMALY ?
Magnetic tuffs
ML 47
290.5 m
318.5 m
% Sn.
% Sul. Sn.

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID.
LINE M.L.8·5

GEOLOGIST : R. R. Schellekens
DRAUGHTSMAN : J.M. Matthews
DATE : May 1978
REVISIONS :

SCALE·1:1000 METRES
20 0 20 40

DRAWING No.
MLP 129

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N. W.
NOTE DISTANCES SLOPE NOT HORIZONTAL

LEGEND

VOLCANICLASTIC SEDIMENTS
Metasomatised Tuffs.
a. Strongly magnetic zones.
b. Mottled alteration zones.
Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.

SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.

GRANITE

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

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LINE NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:1000 PROFILE ML 9
DRILLHOLE ML37

Geochemistry
P.P.M.

200 180 160 140 120 100 80 60 40 20 0

500 Zn 380 Zn

2000 N 2100 N 2200 N 2300 N 2400 N 2500 N 2600 N

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100
60 40 20 0

I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100
60 40 20 0

2000 N 2100 N 2200 N 2300 N 2400 N 2500 N 2600 N

Total Magnetic Field (δ)

63000 800 600 400 200 62000
65.000 64,000 63,000 62,000 61,000 60,000
(– – –) SCALE FINE
(——) SCALE COARSE

No 1
main ore zone

2000 2100 2200 N 2300 N 2400 N 2500 N 2600 N

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m

2550 2500 2450 2400 2350 2300 2250 2200 2150

MAGNETIC SUSCEPTIBILITY [k × 10⁻⁶ c.g.s.]
VOLUME % MAGNETITE
10,000 1000 100
4·0 3·0 2·5 2·0 1·5 1·0 0·5 0·3 0·1

No. 1 ANOMALY

main ore zone

Yellow – brown clays

Blue-gy cherts, gy carbonates, tuffaceous sitst. minor Po.

Dark gray graywacke tuffs and siltstones
Hornfelsed in part.

This interval assayed
0·01 Sn
As
Bi
Mo
WO₃
and <0·02 Cu

Mod. magnetic g'wke tuffs.

Very broken tuffaceous gwke.
? Faulting.

Siltstones & graywacke tuffaceous in part. Mod. magnetic
Hornfelseds chloritic in part.
Actinolite veins fairly common.

Siltstones, feldspathic gwke, minor mudstone. Extensively altered – actinolite, biotite, calcite veining, etc.

Banded magnetite – pyrr-pyr. – ccp – arsenopy with actinolite-tour. siderite in cherts.

7·0m (E.T.T. 6·0m)
0·13 Sn
<0·01 Cu
As
Bi
Mo
WO₃

No. 2 ANOMALY ZONE

Highly altered, tourmalinised carbonate.

Tuffaceous – sitst. Sequence with qtz.– fluorite.

Less altered tuffaceous sitst.

Two granite veins.

5·0m (E.T.T. 4·5m)
0·21 WO₃
0·49 As
0·033 Bi
0·014 Zn
0·05 Sn
0·05 Cu
<0·01 Mo

ML 37

No. 2 Anomaly

ML 58
-53°

300

400

2000 N 2100 N 2200 N 2300 N 2400 N 2500 2600 N

5 cm

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N. W.

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID.
DRILL HOLE ML 37, LINE ML9

GEOLOGIST	: A.F. ROSS
DRAUGHTSMAN	: J. M. MATTHEWS
DATE	: APRIL, 1976
REVISIONS	

SCALE 1:1000 METRES
20 0 20 40

DRAWING No.
MLP 12

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

450mS. 400mS. 300mS. 200mS. 100mS. 00 100mN. 200mN.

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

Total Magnetic Field (δ)

63000 800 600 400 200 62,000

FINE SCALE (– – –)

65,000 64,000 63,000 62,000 61,000 60000

COARSE SCALE (——)

450mS. 400mS. 300mS. 200mS. 100mS. 00 100mN. 200mN.

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150 2100 2050 2000 1950 1900

NO. 1. ANOMALY

ML 60
Proj. 28mW.

ML 19
Proj. 2·6mE.

ROAD

ROAD

Shear, minor tuffs

? ? ? ? ?

Proj. 4·4mW.
Length 66·6m

Hornfelsed dacites, tuffaceous sediments and siltstones.

MAIN ORE ZONE ANOMALY

NO. 2. ANOMALY

SOUTH-EAST CREEK

Bedded pyrrhotite bearing chert

Dacite, hornfelsed tuff; chert & shale; mottled zone

Siliceous and silicified minor skarnites

Skarns and chert. Major skarnites.

Limestone minor chert

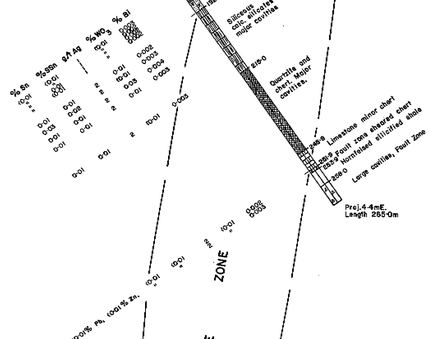
Hornfelsed tuffs altered chert

Fault zone

Hornfelsed silicified shale

Large cavities, Fault Zone

Proj. 4·4mE.
Length 255·0m



NO. 1. ANOMALY

MAIN ORE ZONE

NO. 2. ANOMALY

BASELINE

450mS. 400mS. 300mS. 200mS. 100mS. 00 100mN. 200mN.

5 cm

I.P. DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

SOIL GEOCHEMISTRY
Sn Cu Pb Zn As W

Section looking N.W.

NOTE: Distances slope, not horizontal.
Geology & Topography projection from 25mE. of profile section.

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones; Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and/or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

RENISON LIMITED

E.L. 2/63 MT. LINDSAY LINE PROFILE
LINE M.L.9·5
SHOWING D.D.H. M.L. 19 & 60
TRENDING 038.5° RMG, LOOKING NORTH-WEST

GEOLOGIST	: L.Martin	SCALE·1:1000 METRES (0 0 0)
DRAUGHTSMAN	: T.G.D.S.	
DATE	: June, 1982	
REVISIONS	:	DRAWING No. FIG. 8 b)

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

NORTH PICMAN
MT. LINDSAY
LINE PROFILE
ML 9.5
1:1000
DDH ML19&ML60

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

1130 Sn

315 Sn

1800 1900 2000 2100 2200 2300 2400

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

Total Magnetic Field (δ)

63000 800 600 400 200 62,000

(– – –) FINE SCALE

65,000 64,000 63,000 62,000 61,000 60,000

(——) COARSE SCALE

1800 1900 2000 2100 2200 2300 2400

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150

Magnetic Susceptibility ×10⁻⁴ c.g.s. units

100 1000 10000

ML 54

Weathered zone

Tuffaceous shales

Magnetite shales

Tuffaceous shales

Mottled zone

Skarn - calc-silicates with pyrite, pyrrhotite, sphalerite bands

Main Lode

Interbedded shales and cherts

Length 200·2 m

1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

5 cm

RENISON LIMITED

E.L.2/63

MT. LINDSAY GRID.

HOLE M.L.54

GEOLOGIST : R. Schellekens	SCALE · 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. Matthews	
DATE : August 1979	
REVISIONS :	DRAWING No. MLP 145

I.P. — CHARGEABILITY; RESISTIVITY

MAGNETICS — 5000 δ SCALE; 1000 δ SCALE

GEOCHEMISTRY — Sn, Cu, Pb, Zn, As, W

LINE ML 10 PROJECTED 26·0 m N.W. ONTO SECTION

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones; Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and/or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

North Pigmy Line Profile
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
85 – 2425
Drillhole ML54

1:1000

ORIGINAL

1:1000

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

45

L.1 NORTH PIEMAR
MT. LINDSAY LINE PROFILE
M.G. 10
1000 DRILLHOLE ML36

Geochemistry
P. P. M.
200 180 160 140 120 100 80 60 40 20 0
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N
1130 Sn. 315 Sn.

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (- - -) 2000 1000 500 300 200 100
CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

I.P. Data
RESISTIVITY IN Ohm METRES (- - -) 2000 1000 500 300 200 100
CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0
?
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

Total Magnetic Field (δ)
(- - -) SCALE FINE 800 600 400 200
(——) SCALE COARSE 63000 64,000 63,000 62,000 61,000 60,000 62,000 65,000
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

MAGNETIC SUSCEPTIBILITY (k × 10⁻⁴ c.g.s.) 10,000 1000 100 30 — VOLUME % MAGNETITE
MAG. SUS. 10000 1000 100 20 — % MAG
MAIN LODE TRACK

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m
2550 2500 2450 2400 2350 2300 2250 2200 2150 2100
1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400 N

Clay
Weathered clayey siltstones
Carbonate & minor chert Trace sulphide
Darksiltstones, minor sulphides
Light gray cherts 2% Sulphides
Siltstones, tuffs, graywacke, minor cherts. Widespread alteration & minor sulphides
Massive carbonate with sulphides & calc-silicates magnetite
Zone of strongest mineralisation
MAIN LODE
Cherts variable B.C.A.
Tuffaceous siltstones again with variable, "slumped" bedding
Basic lava ? gabbro
Granite vein
Lava ?
Granite
Siltstones
Granite
Dark siltstones
Granite dyke.
Dark hornfelsed seds.
?
10m 0·27 Sn
<0·05 Cu
0·04 As
0·02 Mo
0·08 Bi
0·04 WO_3
containing
3·0 m 0·70 Sn
<0·05 Cu
0·01 As

ML 2/3
ML 2/4
ML 2/5
ML 36
THESE THREE HOLES PROJECTED 80 m SOUTH ALONG STRIKE.

5 cm

RENISON LIMITED	
E.L. 2/63 MT. LINDSAY GRID. DRILL HOLE ML 36, LINE ML10	
GEOLOGIST : A.F. ROSS	SCALE 1:1000 METRES 20 0 20 40
DRAUGHTSMAN : J. M. MATTHEWS	
DATE : APRIL, 1976	
REVISIONS :	DRAWING No. MLP 11

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.

NOTE: END OF HOLE PROJECTED 50m SOUTH ONTO LINE 10.

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

330 Sn 240 As

1010 Sn 300 As

390 Sn 405 As 300 Cu

300 S 200 S 100 S 0 100 N 200 N 300 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

I.P. Data.

RESISTIVITY IN Ohm METRES (– – –)

CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100

60 40 20 0

Total Magnetic Field (δ)

FINE SCALE (– – –) 800 600 400 200

COARSE SCALE (——) 65,000 64,000 63,000 62,000 61,000 60,000

63000 62,000

300 S 200 S 100 S 00 100 N 200 N 300 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2350 2200 2150

Magnetic Susceptibility 10000 1000 100 × 10⁻⁶ c.g.s. units

Road

ML 52

Weathered zone

Hematitic shales

Tuffaceous shales

Platted zone

Fault

clay weathered carbonate?

Main Lode (partly weathered)

Lode chert calc-silicate shale

magnetic shale

tuffaceous shale

magnetic shale

Length 159·5m

300 S 200 S 100 S 0 100 N 200 N 300 N

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID.
HOLE M.L.52

GEOLOGIST : R. Schellekens	SCALE 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. Matthews	
DATE : August 1979	
REVISIONS :	DRAWING No. MLP 143

L.I.P.

CHARGEABILITY

RESISTIVITY

MAGNETICS

5000 δ SCALE

1000 δ SCALE

GEOCHEMISTRY

Sn Cu Pb Zn As W

LINE ML 10·5 PROJECTED 18·0m N.W. ONTO SECTION

LEGEND

VOLCANICLASTIC SEDIMENTS
Strongly magnetic zones
Non magnetic zones

CHERT

MOTTLED ZONES

CARBONATE ZONE
Minor chert and calc-silicates

CALC SILICATES

CLAY
Weathered carbonate and/or calc-silicates

SKARN MINERALISATION
Magnetite, pyrrhotite and phlogopite

FAULT ZONE

MEREDITH GRANITE

North Plan of Line Profile
Mt. Lindsay ML 10.5
Drillhole ML52

85 – 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

1:1000

ORIGINAL.

1:1000

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

47 , 43

R.P. NORTH PIEMAN
MT. LINDSAY LINE PROFILE
PROOF Mgt. 11
DRILLHOLES M.L. 32, ML33 & ML43

760 Sn

Geochemistry P.P.M.

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

I.P. Data
RESISTIVITY IN Ohm METRES (- - -)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

Total Magnetic Field (γ)
(- - -) SCALE FINE
(——) SCALE COARSE

1700 N 1800 N 1900 N 2000 N 2100 N 2200 N 2300 N

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m

TRACK
TRACK
TULLOCK CREEK
TRACK
BASELINE

MAGNETIC SUSCEPTIBILITY (4π × 10⁻⁶ c.g.s.)
10,000
1000
100

Variously coloured cherts. Trace pyrrhotite.
0·1% Sn.
50m
100m
Increase in actinolite alteration and change to brown colour.
150m
Mottled alteration
Brecciated fragments. Trace pyrrhotite.
200m
Biotite rich adamellite tourmaline patches.
250m

NO LOGS AVAILABLE FOR THESE HOLES.

'LODE BEDS'
84·3m – 106m
0·2 Sn, – 95m – 98m
MAIN ORE ZONE F/W
R.L. 2383m
PROJECTED 30m SOUTH ALONG STRIKE
D.D.H. 32
LODE BEDS
110·3m – 126·5m
Trace of Sn. only.
DDH33
(PROJECTED 20m Nth ALONG STRIKE
MAIN ORE ZONE F/W
R.L. 2366m
D.D.H. 43 257m

5 cm

RENISON LIMITED
E.L. 2/63
MT. LINDSAY GRID.
D.D.H. 43 LINE 11

GEOLOGIST : A. ROSS	SCALE 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. MATTHEWS	
DATE : MARCH '77	
REVISIONS :	DRAWING No. MLP 26

I.P
CHARGEABILITY
RESISTIVITY
SURVEYED BY SCINTREX 1973 – 75
GRADIENT ARRAY
• SURVEY POINT.

MAGNETICS
5000 γ SCALE
1000 γ SCALE
GEOMETRICS G816 PROTON MAGNETOMETER USED. SPACING 10m ALONG LINE.
SENSOR HEAD 3m ABOVE SURFACE.

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N. W.

LEGEND

a, b VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a. Strongly magnetic zones.
b. Mottled alteration zone. Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc–silicate alteration and trace pyrrhotite.

SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.

GRANITE

ORIGINAL

1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

48

NORTH PLEMAN
MT. LINDSAY LINE & PROFILE
M.L.11.5
1000 DRILLHOLE ML 35

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

275 Sn. 275 Cu. 325 Sn. 235 As. 390 As. 320 Cu. 510 Sn. 300 Cu.

M.I.P. & E.I.P Data

RESISTIVITY IN Ohm METRES (– – –) CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100 — 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 900 300 200 100 — 60 40 20 0

Total Magnetic Field (δ)

63000 — 65,000
800 (– – –) FINE SCALE — 64,000
600 — 63,000
400 — 62,000 COARSE SCALE
200 — 61,000
62,000 — 60,000

400 S 300 S 200 S 100 S 0 100 N 200 N

MAGNETIC SUSCEPTIBILITY (x × 10⁻⁴ c.g.s.)
10000 1000 100
7.50 2.5 0.3
5.0 2.0 0.2
2.5 1.5 0.1
1.0 1.0 0.05
0.5 0.5 0.03
0.3 0.3 0.01
0.1 0.1
0.05 0.05
0.01 0.01

VOLUME % MAGNETITE
30 10 3 1 0.3 0.1

TULLOCK CK.

BASE LINE

MT. LINDSAY OPEN CUT

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2,000 m

2550 2500 2450 2400 2350 2300 2250 2200 2150 2100

Dark grey hornfeled gwke.

Clay zone ? Weathered carbonate.

Interbeded carbonate and chert.

0·01 Sn
<0·01 Cu, As

Hornfeled siltstones and gwke. Minor carb & chert zones Minor pyr. & po. mod. mag. zone.

Strong mag zone.

Contorted banded chert.

Siltstones & gwke Altered, in places with minor sulphides.

MAIN ORE ZONE

Magnetite actinolite sulphide skarn assemblage.

Core very broken with some core loss.

High altered sediments with mod. sulphides and tourmaline & fluorite.

Contained 9·0 m [true width]
0·26 Sn
0·08 Cu
0·23 As
0·03 Bi
0·03 WO_3

10m 0·10 Sn.

MEREDITH GRANITE

Tin values in granite and adjacent sediments <0·01 Sn

ML35

400 S 300 S 200 S 100 S 0 100 N 200 N

5 cm

RENISON LIMITED	
E.L. 2/63 MT. LINDSAY GRID. DRILL HOLE ML 35, LINE ML 11·5	
GEOLOGIST : A.F. ROSS	SCALE 1:1000 METRES 20 0 20 40
DRAUGHTSMAN : J. M. MATTHEWS	
DATE : APRIL, 1975	
REVISIONS :	DRAWING No. MLP 10

I P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.

NOTE: The hole data has been projected 75 m south onto line 11·5

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

49

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
M.L.12.
1:1000 DRILLHOLE ML39

Geochemistry
P.P.M.

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

Total Magnetic Field (γ)
(– – –) SCALE FINE
(——) SCALE COARSE

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m

MAGNETIC SUSCEPTIBILITY (1 k = 10^{-3} c.g.s.)

TRACK
CREEK
TRACK

Clays and weathered siltstone.

D.D.H. 39
337m

50m
100m
150m
200m
250m
300m

Trace pyrrhotite veinlets over this interval.
<0·1% Sn

Minor carbonate, calc-silicate. Trace pyrrhotite.

Carbonate, chert, calc-silicate. Trace pyrrhotite.
<0·1% Sn

Minor calc-silicates. Trace pyrrhotite, chalcopyrite, galena.

5 cm

RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID.
D.D.H. 39 LINE 12

GEOLOGIST : A. ROSS	SCALE 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. MATTHEWS	
DATE : MARCH '77	
REVISIONS :	DRAWING No. MLP 25

I.P
CHARGEABILITY
RESISTIVITY

SURVEYED BY SCINTREX 1973-75.
GRADIENT ARRAY.
· SURVEY POINT.

MAGNETICS
5000 γ SCALE
1000 γ SCALE

GEOMETRICS G816 PROTON MAGNETOMETER
USED. SPACING 10m ALONG LINE.
SENSOR HEAD 3m ABOVE SURFACE.

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.

LEGEND

VOLCANICLASTIC SEDIMENTS
Greywacke, siltstones.
a. Strongly magnetic zones.
b. Mottled alteration zone. Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.

GABBRO

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

700 N 800 N 900 N 1000 N 1100 N 1200 1300 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

Total Magnetic Field (γ)

(– – –) SCALE FINE 63000 800 600 400 200 62,000

SCALE COARSE 65.000 64,000 63,000 62,000 61,000 60,000

700 N 800 N 900 N 1000 N 1100 N 1200 N 1300 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150 2100 2050 2000 1950 1900

CREEK

CREEK

ML 53
Projected 12·5m NW

weathered

34.0

54.4

73.4

Magnetic Susceptibility
×10⁻⁴ e.g.s. units
100 1000 10000

184.9
189.7

176.4

224.9

Mottled non-magnetic zones

422.6

448.1

497.4

528.3

Projected 5·5m SE
Length 5540m

700 N 800 N 900 N 1000 N 1100 N 1200 N 1300 N

5 cm

I.P. DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

Section looking N.W.

NOTE: Distances slope, not horizontal

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones / Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and/or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID
LINE M.L. 13
HOLE ML 53

GEOLOGIST : R.R. Schellekens	SCALE · 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. M. Matthews	
DATE : August 1979	
REVISIONS :	DRAWING No. MLP 144

NORTH REMAN
MT. LINDSAY LINE MOBILE
1:1000 DRILLHOLE 53

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

1:1000

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

1 51

NORTH PEEMAN
MT. LINDSAY LINE PROFILE
DRILLHOLE ML34
ML 13

Geochemistry

P.P.M.

2.35 As

3.85 As

200 S 100 S 0 100 N 200 N 300 N 400 N

M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

n = 3
n = 2
n = 1

a = 50 m.
(1973 – 74 Survey)

I.P. Data

RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

a = 12·5
(1974 75 Survey)

a = 12·5

0·4

Total Magnetic Field (δ)

(– – –) SCALE — FINE
(——) SCALE — COARSE

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2400 2350 2300 2250 2200 2150 2100 2050 2000 1950

CREEK
ROAD
ROAD
SALMON CREEK

Weathered Zone
Black oolitic cherty unit.
Gray sandstone with minor pyr. thematite.
Massive sandstone.
Possible Equivalent of Renison No. 3
Massive indurated styolitic carbonate. Only very minor sulphides.
Oolites, cherts and carbonates.
Possible Equivalent of Renison No. 2
Bedded and banded cherts.
Conglomerates and cherts.
Dark cherts, hematite in places. Very magnetic.
Tuffaceous siltstones and shales
Pyrr. & pyr. up to 5% Mod. magnetic Pervasively altered & hornfelsed.
Possible Red Rock Member Equivalent
Hornfelsed zone with up to 5% Po.
Carbonaceous graphitic zone possibly including a fault zone
Hornfelsed siltstones, mudstones, gwke, calcarous in part, minor po + pyr.
This zone assayed <0·01 Sn, <0·01 As, <0·05 Cu, <0·02 Bi, <0·01 Mo, with no 1·0 m assays above those levels.
Dark, slightly magnetic massive tuffaceous mudstones fragmental volcanics Flow & slumped textures
ML 34

200 S 100 S 0 100 N 200 N 300 N 400 N

5 cm

RENISON LIMITED

E.L.18/73
MT. LINDSAY GRID.
DRILL HOLE ML 34, LINE ML 13

GEOLOGIST : A.F. ROSS	SCALE·1:1000 METRES
DRAUGHTSMAN : J. M. MATTHEWS	20 0 20 40
DATE : APRIL, 1976	
REVISIONS :	DRAWING No. MLP 9

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

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NORTH PIGMAN
MT. LINDSAY LINE PROFILE
M.L. 14
1:1000 DRILLHOLE ML48

Geochemistry
P.P.M.

200 180 160 140 120 100 80 60 40 20 0

1500 N 1600 N 1700 N 1800 N 1900 N 2000 N 2100 N

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 500 300 200 100
60 40 20 0

1500 N 1600 N 1700 N 1800 N 1900 N 2000 N 2100 N

I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)

2000 1000 900 300 200 100
60 40 20 0

1500 N 1600 N 1700 N 1800 N 1900 N 2000 N 2100 N

Total Magnetic Field (δ)

63000 800 600 400 200 62,000
(– – –) FINE SCALE
65,000 64,000 63,000 62,000 61,000 60,000
(——) COARSE SCALE

1500 N 1600 N 1800 N 1900 N 2000 N 2100 N

MAGNETIC SUSCEPTIBILITY ×10⁻⁶ c.g.s. units
1000 100 10000γ

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m

2600 2550 2500 2450 2400 2300 2250 2200 2150

Possible N° 1
NEWS CREEK BASE LINE
NAIN LODE
Magnetic zone
Metasomatised tuffs.
Bleached zone
Calc-silicate and chert
Altered greywacke-siltstones and pyrrhotite-chlorite bands
Skarn mineralisation
Calc-silicates and pyrrhotite
Carbonate and calc-silicates
Chert
N°1 ANOMALY ?
Metasomatised tuffs Magnetic zone
Metasomatised tuffs
Granite dyke
Magnetic zone
Metasomatised tuffs
Granite
MEREDITH GRANITE
ML 48

1500 N 1600 N 1700 N 1800 N 1900 N 2000 N 2100 N

5 cm

RENISON LIMITED	
E.L. 18/73 MT. LINDSAY GRID. LINE M.L. 14	
GEOLOGIST : R.R. Schellekens	SCALE · 1:1000 METRES 20 0 20 40
DRAUGHTSMAN : J.M. Matthews	
DATE : May 1978	
REVISIONS :	DRAWING No. MLP 130

I.P
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.
NOTE DISTANCES – SLOPE NOT HORIZONTAL

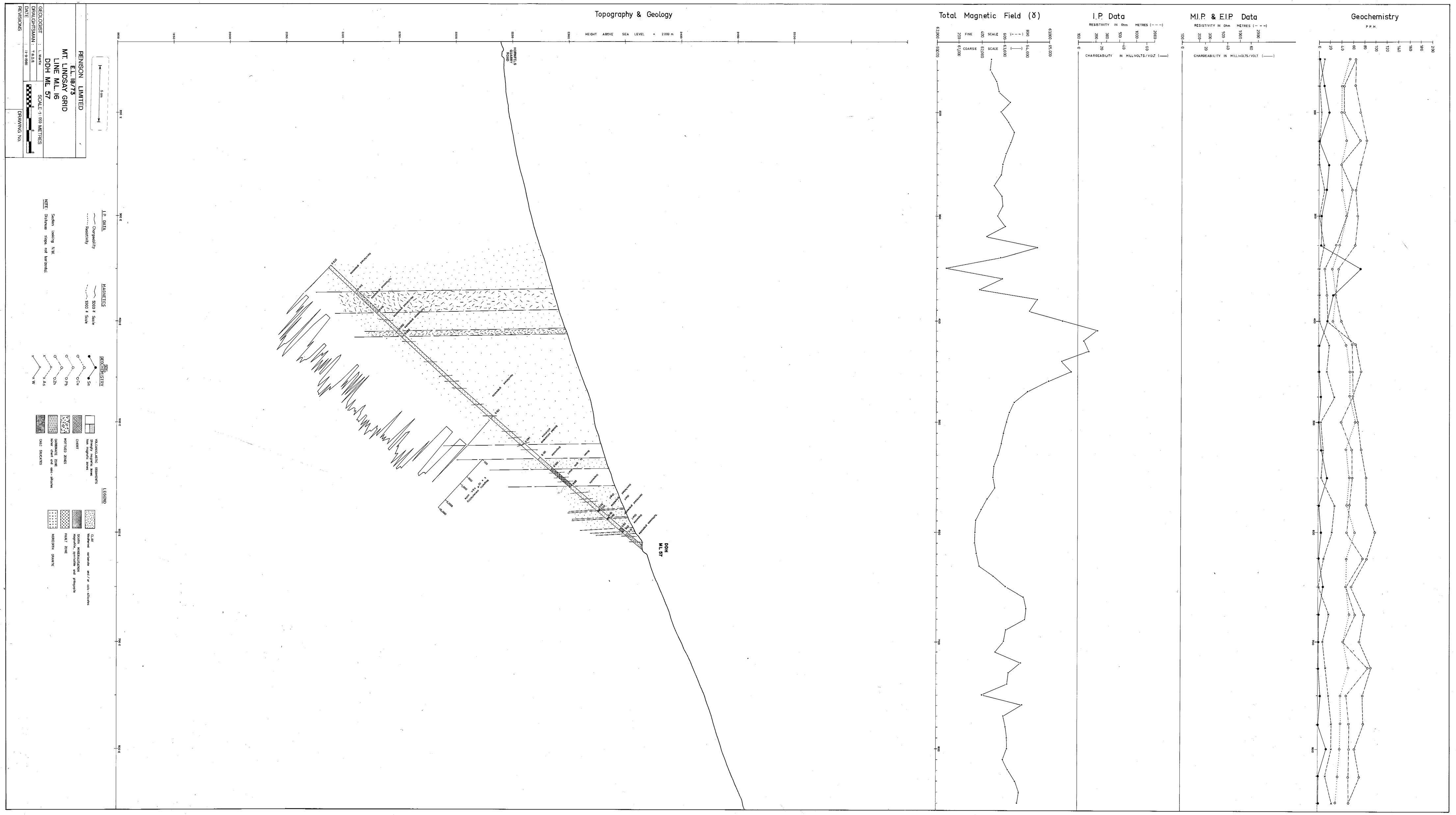
LEGEND

VOLCANICLASTIC SEDIMENTS
Metasomatised Tuffs.
a. Strongly magnetic zones.
b. Mottled alteration zones. Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc silicate alteration and trace pyrrhotite.

SKARN MINERALISATION
Replacing carbonate chert horizon. Magnetite rich.

GRANITE



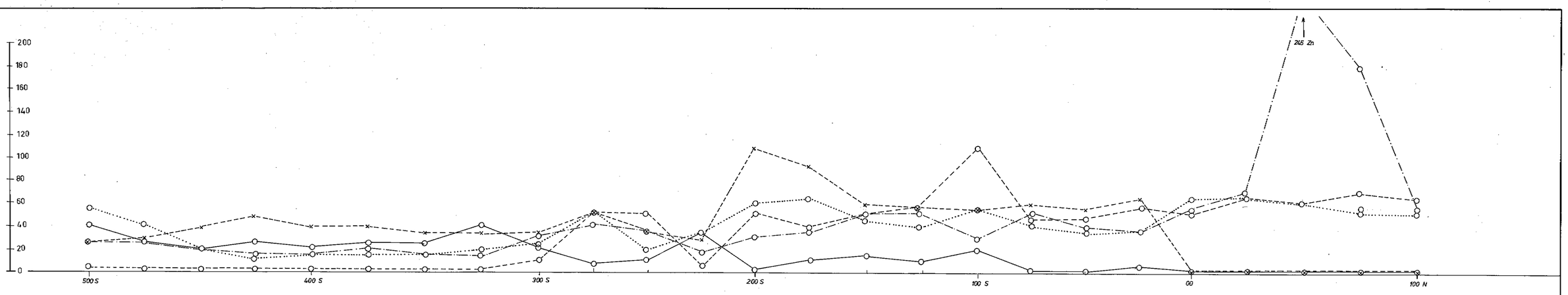
NORTH PENMAN
LINE PROFILE
ML 16
DRILLHOLE ML57
MT. LINDSAY
1:1000

05 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

53

Geochemistry

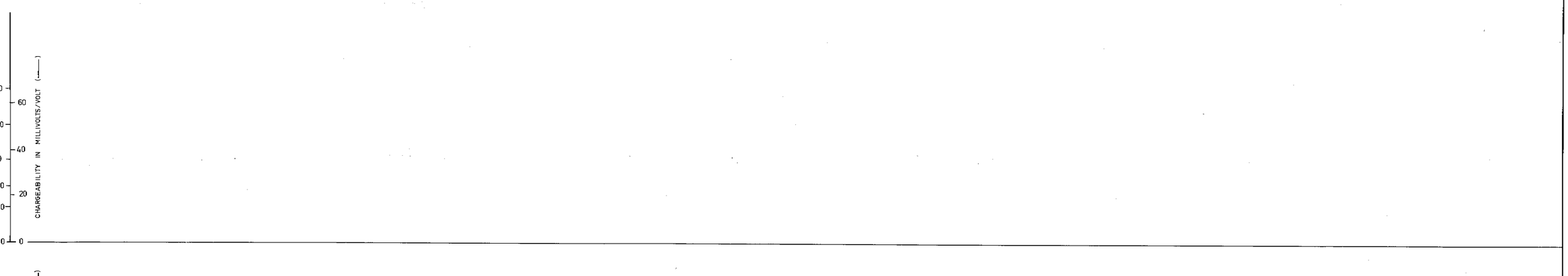
P.P.M.



M.I.P. & E.I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

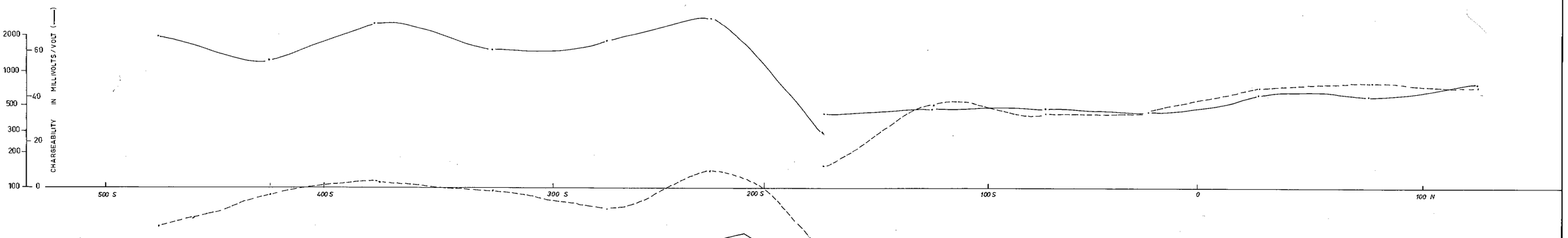
CHARGEABILITY IN MILLIVOLTS/VOLT (——)



I.P. Data

RESISTIVITY IN Ohm METRES (– – –)

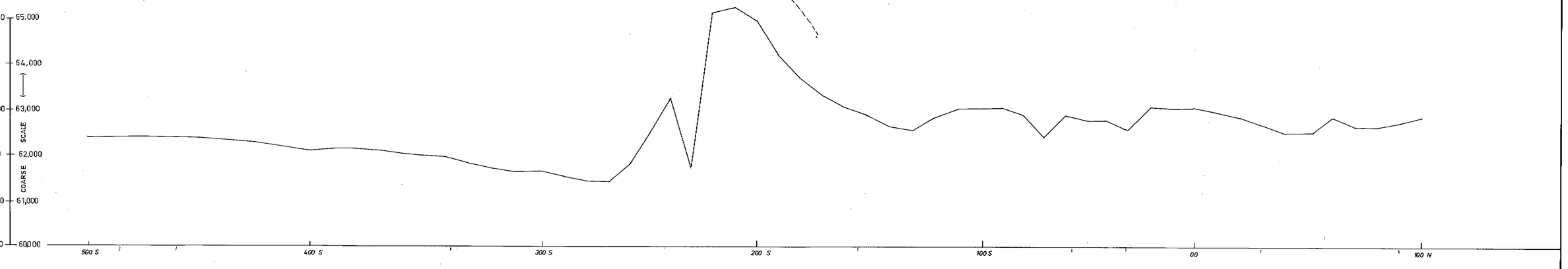
CHARGEABILITY IN MILLIVOLTS/VOLT (——)



Total Magnetic Field (γ)

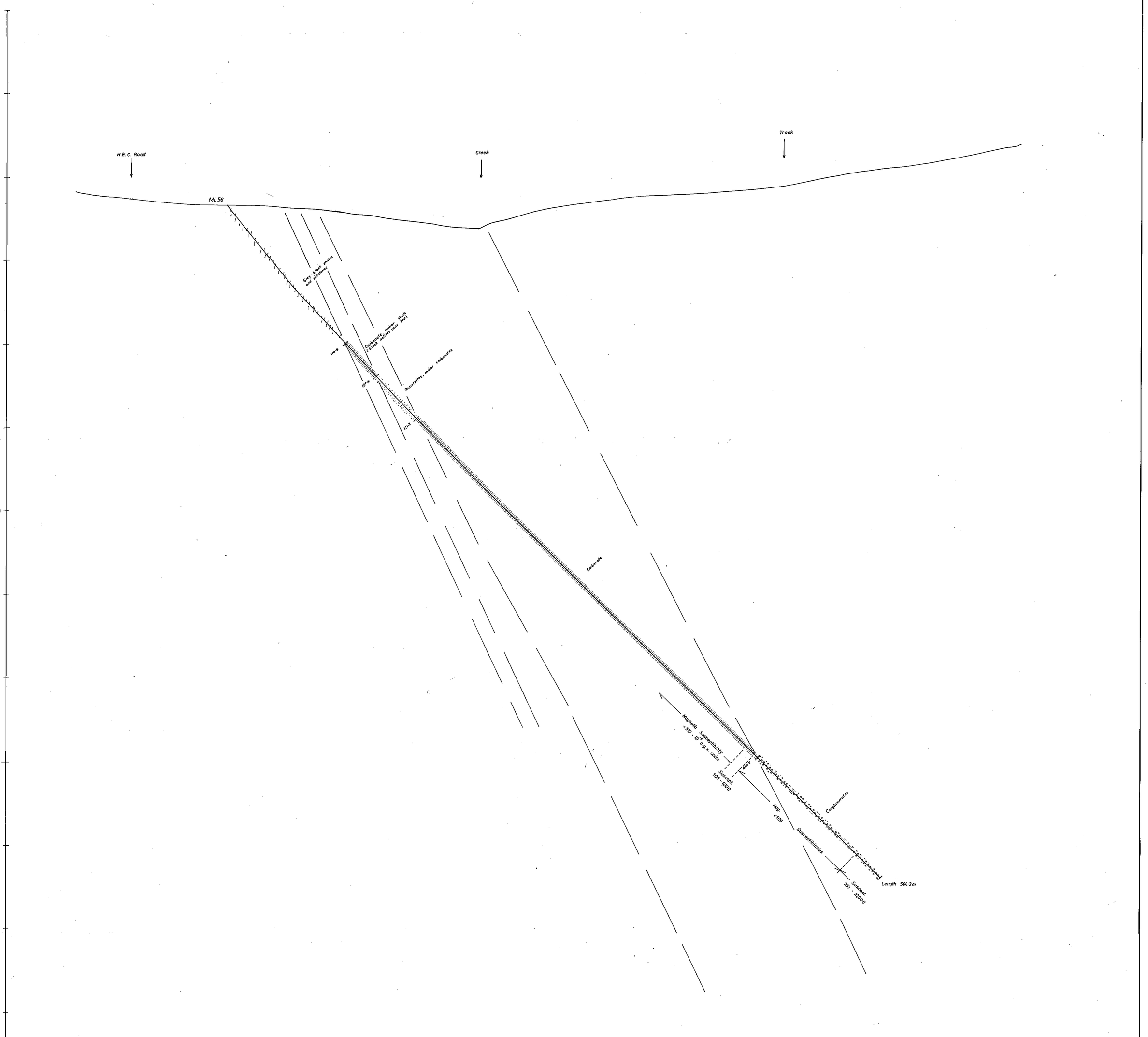
(– – –) SCALE FINE

(——) SCALE COARSE



Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m



5 cm

I.P. DATA
- Chargeability
- Resistivity

MAGNETICS
- 5000 γ Scale
- 1000 γ Scale

SOIL GEOCHEMISTRY
Sn, Cu, Pb, Zn, As, W

Section Looking N.W.

NOTE: Distances slope, not horizontal

LEGEND

- VOLCANICLASTIC SEDIMENTS — Strongly magnetic zones; Non magnetic zones
- CHERT
- MOTTLED ZONES
- CARBONATE ZONE — Minor chert and calc-silicates
- CALC SILICATES
- CLAY — Weathered carbonate and / or calc-silicates
- SKARN MINERALISATION — Magnetite, pyrrhotite and phlogopite
- FAULT ZONE
- MEREDITH GRANITE

RENISON LIMITED

EL 18/73 MT. LINDSAY AREA

HOLE ML56 - LINE N°17

GEOLOGIST : L.A. Newnham	SCALE 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J.M. Matthews	
DATE : April 1980	
REVISIONS :	DRAWING No. MLP 146

NORTH RENISON
MT. LINDSAY LINE PROFILE
1:1000 M.L.17
DRILLHOLE ML56

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

1000 1020 1040 1060 1080 1100 1120 1140

2700 2600 2500 2400 2300 2200 2100 2000 1900 1800 1700 1600 1500 1400

15 14 13.5 13 12.5 12 11.5 11 10.5 10 9.5 9 8 7 6.5 6 5 4.5

Very strong magnetic anomaly, no I.P. or geochem coverage

Strong neg mag, Cu, Sn, As, responses, No I.P. coverage

Weak geophysical and geochemical responses

Strong mag. anomaly Poor geochem responses No I.P. coverage

Extremely strong mag responses, strong I.P., Quad As, Sn, Cu, anomalies

Strong mag responses Strong As, Sn, Cu anomalies No I.P. coverage

Extremely high magnetic anomaly very high Sn, As, med Cu anomalies Hgh conductivity- No I.P response

Very strong mag. response Strong Sn, As, Cu anomalies No I.P. coverage

Very strong mag response mighty chargeable + conductive Strong Sn, As, med Cu responses

Strong mag. responses Weak Sn anomaly No I.P. coverage

Strongly magnetic, not chargeable, weak conductivity, geochem. responses.

On flanks of large magnetic anomaly, very poor I.P. and geochem responses.

On south flank of large mag. anomaly. Poor I.P. and geochem responses.

Flank of mag. anomaly No geochem anomalies No I.P. coverage

Weak magnetic responses. Poor geochem. or I.P. responses.

Mod. magnetic responses Poor geochem. and I.P. responses.

Strong mag. responses Weak Cu anomaly, No I.P. coverage

ML 2/6

ML 2/7
Both holes intersected granite before reaching M-2 Anomaly zone

ML 2/1
10m @ 0.10 Sn
including 5m @ 0.20 Sn

ML 2/2
Faulted off after 10m
including 5m @ 0.165 Sn

ML 2/3
27m @ 0.13 Sn
including 14m @ 0.145 Sn

ML 2/4
10m @ 0.10 Sn

ML 2/5
20m Stopped in middle of zone
including 7m @ 0.11 Sn

E/A 78/3

E/A 78/2

Approximate № 2 Anomaly – Granite ? Contact – Line

?

SKARN ZONE

PROPOSED CASSITERITE BEARING SKARN ZONE

BARREN CARBONATE ZONE (MINOR CALC-SILICATES)

ML 57 Skarn
Horizon 10m thick.
10m replaced by skarn
Skarn mineralogy containing 5% @ 0.350 Sn
another channel
4.5m @ 0.21 Wo
Total 74 @0.1% Sn

ML 47 SKARN
Horizon 20m thick
Cpx-silicates with magnetic zone in centre of intersection, including
10.6m of 0.13% Sn
Total 44 @0.06% Sn
Minor scheelite.

ML 41 SKARN
Horizon 46m thick
Completely replaced by skarn
Skarn Sn containing
5m @ 0.18% Sn
5m @ 0.15% Sn
Total 46 @0.1% Sn
Sig. Sn assays in 1m lengths throughout interval.

ML 55 UPPER
Horizon 43m thick.
Dolomitic carbonate
Calc-silicate on fringe
Nil Sn

ML 55 LOWER
Horizon 20.5m thick.
Calc-silicate + sulphide + scheelite
Interbedded cherts and minor skarn
17.6m x 0.01% Sn
3 Areas 2m x 0.02% WO3
1m x 1.04% WO3

ML 44
Barren carbonate
30m thick
Minor calc-silicate alteration.
Trace sulphide.
Nil Sn

ML 38 UPPER
Barren carbonate
30m thick
Minor calc-silicate alteration.
Trace sulphide.

ML 59
Horizon 18m thick.
Calc-silicates, minor sulphide. Grades into skarn. Minor cherty bands.
18m 0.06% Sn
including 5m @ 0.12% Sn
0.07% WO3

ML 39 SKARN
Horizon 48m thick
23m replaced by magnetite + carbonate + cassiterite + sulphide skarn
Skarn 23m @ 0.16 Cu containing 14.5m @ 1.10% Sn
8.1m @ 1.01% WO3
Total 74 @ 28% of which 11% reports as magnetite

ML 51
Horizon 30m thick
Calc-silicates and minor sulphides with cherty bands.
7m @ 0.13% Sn, 0.05% Sol Sn

ML 49 SKARN
Horizon 31m thick
Chlorite - sulphides - Skarn - Cpx-silicates consisting of three zones
3.5m @ 0.12% Sn 0.6% Sol. Sn
5.5m @ 0.10% Sn 0.08% Sol. Sn
3.5m @ 0.12% Sn 0.08% Sol. Sn
Minor Sn, Cu, WO3

ML 40
Barren carbonate
30m thick
Minor calc-silicate alteration
Trace sulphide

ML 42
Barren carbonate
12 m thick
Minor calc-silicate alteration
Trace sulphide

ML 46
Barren carbonate and calc-silicate
30m thick
Trace sulphide
Nil Sn.

ML 45
Barren carbonate with some calc-silicates chert band below.
20m thick.

1. Slumpage shown is projected outcrop position of № 2 Anomaly zone.

2. Positions where traverse Lines cross outcrop are shown thus: ⑨

Geophysical and geochemical responses plotted on traverse lines across the outcrop position are also shown.

3. ○ ML 33
Centre of ore zone diamond drill hole intersection point.
Thicknesses shown are estimated true thicknesses.

4. Holes ML 2/1 to 2/7 were drilled by Abertoyle in 1968-69.
Complete details are not available.

5 cm

FOR AN ORE BODY 30 m WIDE
A SQUARE THIS BIG ON THIS
PROJECTION WOULD REPRESENT
2,000,000 tonnes

TONNAGE POTENTIAL GUIDE

1. Projection plane runs grid N.W.–S.E. and looks N.E.

2. Grid and R.L. systems used are Renison Mine systems.

3. Projection limits and section lines correspond to those of the Mt. Lindsay 1:2000 base plan M 16.

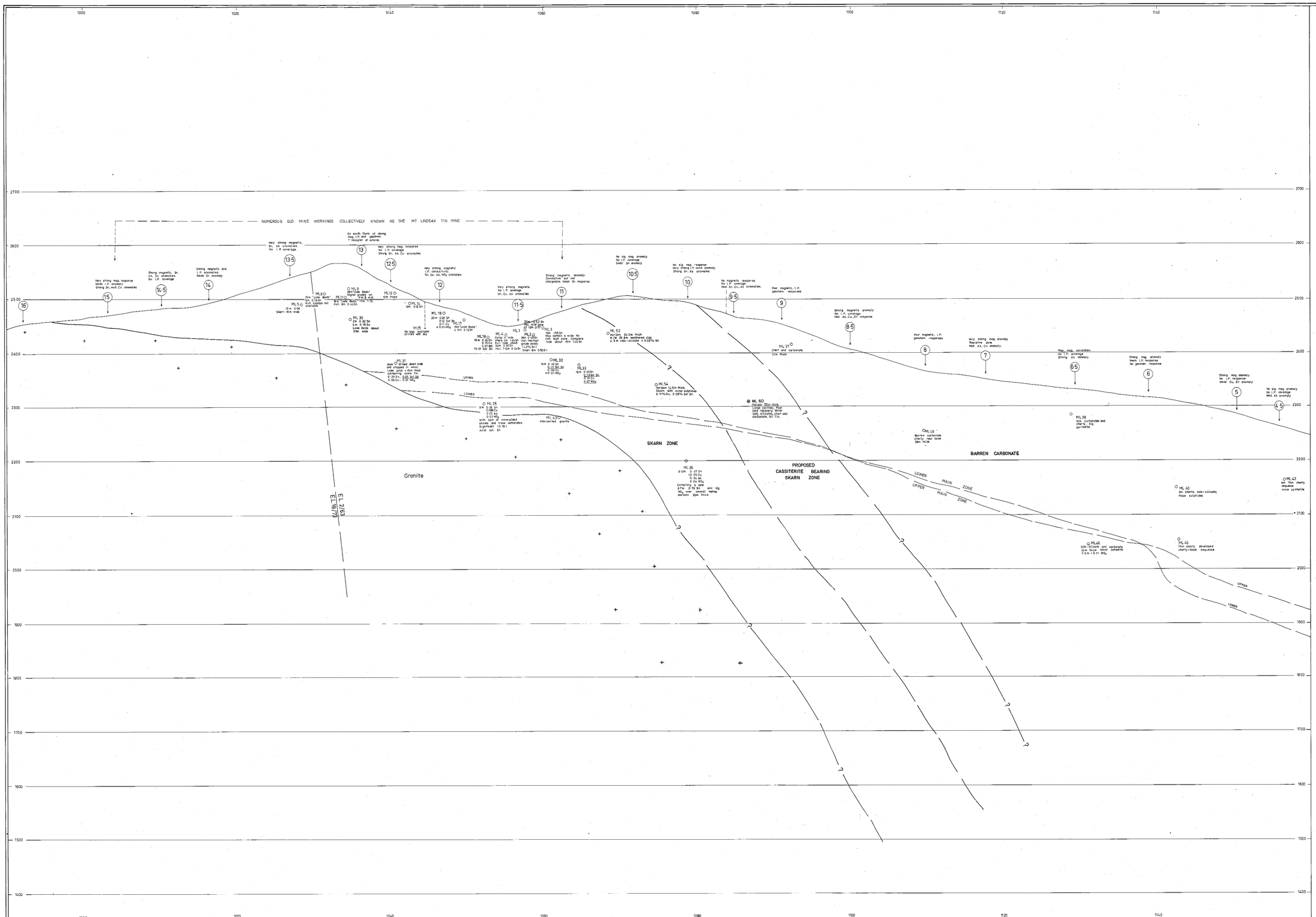
RENISON LIMITED

MT. LINDSAY PROJECT
№ 2 ANOMALY
LONGITUDINAL PROJECTION

GEOLOGIST	R.R. Schellekens
DRAUGHTSMAN	J.M. Matthews
DATE	July 1979
REVISIONS	Geology revised by L.A. Martin June 1980.
SCALE 1:2000 METRES	0 20 40 60
DRAWING No.	Fig. 10.

NORTH PLUNGE LONGITUDINAL PROJECTION № 2 ANOMALY (Zone, Fig.)

MT. LINDSAY (E.L. 78/3, 78/2, 78/4, 1977)


NUMEROUS OLD MINE WORKINGS COLLECTIVELY KNOWN AS THE MT LINDSAY TIN MINE
Very strong mag. response Weak I.P. anomaly Strong Sn.mod.Cu anomalies
Strong magnetic, Sn. As, Cu anomalies. No I.P. coverage.
Strong magnetic and I.P. anomalies. Weak Sn anomaly
Very strong magnetic, Sn, As anomalies. No I.P. coverage.
On south flank of strong mag, I.P. and geochem. response of ovburd.
Very strong mag response No I.P. coverage Strong Sn, As, Cu anomalies.
Very strong magnetic I.P. conductivity Sn, Cu, As, WO3 anomalies
Very strong magnetic No I.P. coverage Sn, Cu, As anomalies
Strong magnetic anomaly. Conductive sub not chargeable. Weak Sn response.
No sig. mag. anomaly No I.P. coverage. Small Sn anomaly
No sig. mag. response Very strong I.P. cond. anomaly. Strong Sn, As anomalies.
No magnetic response. No I.P. coverage. Mod. Sn, Cu, As anomalies.
Poor magnetic, I.P. geochem. responses
Strong magnetic anomaly No I.P. coverage Mod. As, Cu, Zn response
Poor magnetic, I.P. geochem. responses
Very strong mag. anomaly Resistive zone Mod. As, Cu anomaly.
Poor mag. correlation. No I.P. coverage Strong As anomaly
Strong mag. anomaly Weak I.P. response No geochem. response
Strong mag. anomaly No I.P. response Weak Cu, Zn anomaly
No sig. mag. anomaly No I.P. coverage Mod. As anomaly
ML 1 to ML 33 drilled by Aberfoyle 1962-69
ML 1 ML 2 ML 3 ML 4 ML 5 ML 6 ML 7 ML 8 ML 9 ML 10 ML 11 ML 12 ML 13 ML 14 ML 15 ML 16 ML 17 ML 18 ML 19 ML 20 ML 21 ML 22 ML 23 ML 24 ML 25 ML 26 ML 27 ML 28 ML 29 ML 30 ML 31 ML 32 ML 33 ML 34 ML 35 ML 36 ML 37 ML 38 ML 39 ML 40 ML 41 ML 42 ML 43 ML 44 ML 45 ML 46 ML 47 ML 48 ML 49 ML 50 ML 51 ML 52 ML 53 ML 54 ML 55 ML 56 ML 57 ML 58 ML 59 ML 60
Granite
E.L. 2163 E.L. 1677
SKARN ZONE
BARREN CARBONATE
PROPOSED CASSITERITE BEARING SKARN ZONE
UPPER
LOWER
MAIN ZONE
Chert and carbonate 21m thick
Barren carbonate Cherty near base 38m thick
Thin cherty sequence minor pyrrhotite
Thin cherty developed cherty/shale sequence
Thin cherty, calc-silicate, trace sulphides
Chert and carbonate 32m thick Minor sulphides 11m - 0.11 WO3
Intersected granite
Interbedded chert and carbonate 15m thick Minor sulphides 0.11% Cu, 0.09% Sol. Sn
Chert and carbonate 27m thick Minor sulphides, Sn, Cu, As, WO3
Limestone 16.5m thick Skarn with minor sulphides 0.11% Cu, 0.09% Sol. Sn
Chert and carbonate 11m thick Minor sulphides, Sn, Cu, As, WO3
Chert and carbonate 21m thick
Skarn 16.4m thick
Skarn 18.0m thick
Skarn 9m thick
Skarn 13m thick
Skarn 11m thick
Skarn 12m thick
Skarn 16m thick
Skarn 18m thick
Skarn 15m thick
Skarn 9m thick
Skarn 12m thick
Skarn 11m thick
Skarn 12m thick
Skarn 13m thick
Skarn 9m thick
Skarn 9m thick
Skarn 9

1000 1020 1040 1060 1080 1100 1120 1140

2700 2600 2500 2400 2300 2200 2100 2000 1900 1800 1700 1600 1500 1400

15 14 13 12 11 10 9 8 7 6.5 6 5 4.5 13.5 11.5 10.5 9.5

Very strong magnetic anomaly. No I.P. or geochem. coverage

Strong mag. mag. Cu, Sn, As. responses. No I.P. coverage

Weak geophysical and geochemical responses

Strong mag. anomaly Poor geochem responses No I.P. coverage

Extremely strong mag. responses. Strong I.P. Cond. As., Sn., Cu. anomalies

Strong mag. responses Strong As.,Sn.,Cu anomalies No I.P. coverage.

Extremely high magnetic anomaly Very high Cr, As, mod Cu anomalies Mod. conductive. No I.P. response

Very strong mag. response Strong Sn, As, Cu anomalies No I.P. coverage.

Very strong mag. response Highly chargeable + conductive Strong Sn, As, mod Cu responses.

Strong mag. responses Weak Sn anomaly No I.P. coverage

Strongly magnetic, not chargeable, weak conductivity, geochem. responses.

On flank of large magnetic anomaly. Very poor I.P. and geochem responses.

On south flank of large mag. anomaly. Poor I.P. and geochem responses.

Flank of mag. anomaly No geochem anomalies No I.P. coverage

Mod. magnetic responses No geochem or I.P. anomalies.

Mod. magnetic responses Poor geochem and I.P. responses.

Strong mag. responses Weak Cu anomaly No I.P. coverage

ML 2/6

ML 2/7 Bedrock intersected 9.144m. before reaching IP 2 Anomaly zone

ML 2/1 10m 13.10 Sh including 10m 0-20 Sh

ML 2/3 Pushed off after 10m including 5m 0.165 Sn

ML 2/3 27m 10-12 Sh including 4m 0-11 Sn

ML 2/4 10m 4.9-18 Sn

ML 2/5 20m Stopped in middle of zone including 7m 0.11 Sn

SKARN ZONE

BARREN CARBONATE ZONE

EL 2/63 EL 18/73

Approximate № 2 Anomaly – Granite ? Contact Line ?

ML 37 SKARN Horizon 30m thick 20m replaced by skarn 20m x 0.12 Sn containing 0.5m 0.21 Sn another interval 4.5m 0.21 WO3 Total Fe 38%

ML 47 SKARN Horizon 20m thick Completely replaced by skarn – 10m thick in centre of intersection, including 10.8m of 0.12 Sn 0.12 Sn Sn Minor scheelite.

ML 41 SKARN Horizon 44m thick Completely replaced by skarn 44m 0.17 Sn containing 5m 0.35 Sn 2m 0.31 Sn Total Fe 26% Sp. Sn assays in 1m lengths throughout interval.

ML 55 UPPER Horizon 40m thick. Clay, barren carbonate & silicate in strip 60 Wo

ML 55 LOWER Horizon 29.7m thick Calc-silicate, minor sulphide + scheelite interbedded cherts and minor skarn 17.6m x 0.4% WO3 2 zones 2m x 0.22% WO3 1m x 1.06% WO3

ML 44 Barren carbonate 50m thick Minor calc-silicate alteration Trace sulphide.

ML 38 SKARN Horizon 46m thick 22m replaced by magnetite – carbonate – cassiterite – scheelite – sulphide skarn 10m x 0.2% Sn containing 1.5m 1.19 Sn, 0.12 Cu, 15.01 WO3 Total Fe 23m of 28% of which 11% reports as magnetite.

ML 38 UPPER Barren carbonate 50m thick Minor calc-silicate alteration Trace sulphide.

ML 42 Barren carbonate 50m thick Minor calc-silicate alteration Trace sulphide

ML 40 Barren carbonate 50m thick Minor calc-silicate alteration Trace sulphide

ML 39 SKARN Horizon 30m thick Calc-silicates and minor sulphides with chert bands. 2m @ 0.18 Sn 0.05% Sol. Sn

ML 46 Barren carbonate and calc-silicate 31m thick Trace sulphide Nil Sn.

ML 45 Barren carbonate with some calc-silicates chert band below 85m thick

ML 49 SKARN Horizon 31m thick Chlorite – sulphides – cassiterite Consisting of three zones 3.8m 0.12 Sn 0.06 Sol. Sn 5.8m 0.12 Sn 0.08 Sol. Sn 1.7m 0.19 Sn 0.08 Sol. Sn Minor Sn, Cu, WO3

1. Surface shown is projected outcrop position of № 2 Anomaly zone.
2. Positions where traverse lines cross outcrop are shown thus: 9
   Geophysical and geochemical responses obtained on traverse lines across the outcrop position are also shown.
3. ○ ML 33 Centre of ore zone diamond drill hole intersection point
   Thicknesses shown are estimated true thicknesses.
4. Holes ML 2/1 to 2/7 were drilled by Aberfoyle in 1968-69. Complete assays are not available.

8 cm

FOR AN ORE BODY 30 m WIDE

A SQUARE THIS BIG ON THIS PROJECTION WOULD REPRESENT

2,000,000 tonnes

TONNAGE POTENTIAL GUIDE

1. Projection plane runs grid N.W.–S.E. and looks N.E.
2. Grid and R.L. systems used are Renison Mine systems.
3. Projection limits and section lines correspond to those of the Mt. Lindsay 1:2000 base plan M 16.

RENISON LIMITED

MT. LINDSAY PROJECT

№ 2 ANOMALY LONGITUDINAL PROJECTION

GEOLOGIST	:R.R. Schellekens
DRAUGHTSMAN	:J.M. Matthews
DATE	: July 1979
REVISIONS	:

SCALE 1:2000 METRES (40 0 40 80)

DRAWING No. MLP 140

MT. LINDSAY 1:2,000 NORTH LONGITUDINAL PROJECTION (July 1979)

(EL 2/63 EL 18/73)

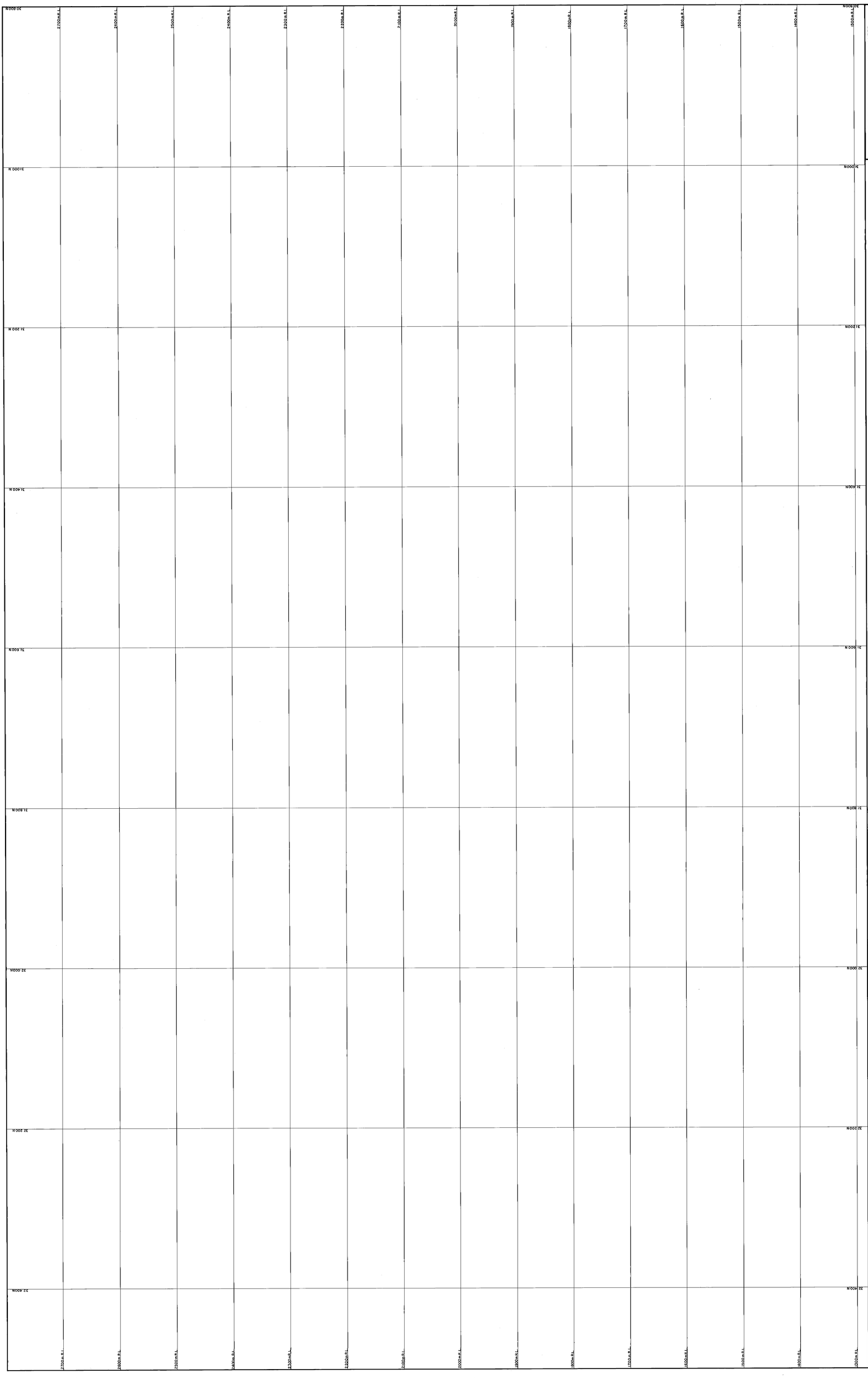
1:2000

65 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

58

LONG SECT.
MT. LINDSAY LONGITUDINAL PROSECTION
MASTER

DRILLING



GOLD FIELDS EXPLORATION PTY. LIMITED

DRAWN BY :
DRAFTSMAN :
DATE :
REVISIONS :
FILE NO.
FIG.

6 cm

SCALE 1:2000
10 0 10 20 METRES

NUMEROUS OLD MINE WORKINGS COLLECTIVELY KNOWN AS THE MT LINDSAY TIN MINE

Granite

EL 2163
EL 1873

UPPER
LOWER

LOWER MAIN ZONE
UPPER MAIN ZONE

UPPER
LOWER

Very strong mag. response
Weak I.P. anomaly
Strong Sn, mod. Cu anomalies

15

Strong magnetic, Sn, As, Cu anomalies.
No I.P. coverage.

14-5

Strong magnetic and I.P. anomalies.
Weak Sn anomaly

14

Very strong magnetic, Sn, As anomalies.
No I.P. coverage.

13-5

15m "Lode Beds" Sn 0.05% Cut, assays not available

ML 5 O
12m 0.04
Sheet 15m wide

ML 6 O
30m "Lode Beds"
Higher grades in
ML 11 O
8m "Lode Beds" 79m 1.72
Incl. 5m 0.450

On south flank of strong mag. I.P. and geochem. ? resultat of outcrop.

13

ML 9 O
36m "Lode Beds"
Higher grades in
ML 10 O
30m "Lode Beds"
Sheet 15m wide

ML 30 O
21m 0.53 Sn
4m 0.92 Sn
Lode Beds about 35m wide

Very strong mag. response
No I.P. coverage
Strong Sn, As, Cu anomalies.

12-5

ML 13 O
50m Trace

QML 14
12m 0.03 Sn

MLS1 △
No logs available
Drilled with dip

Very strong magnetic
I.P. conductivity
Sn, Cu, As, W/y anomalies

12

ML 16 O
20m 0.20 Sn
Incl. 2m 0.50 Sn
21m 0.22 Sn
< 0.01 WO3

ML 17 O
10m "Lode Beds"
< 5m 0.12 Sn

ML 18 O
16m 0.20 Sn
Incl. 2m 0.50 Sn
8m 0.18 Sn
Incl. 2m 0.30 Sn
10.29 Sat Sn incl. 7.5m 0.43 Sn

Very strong magnetic
No I.P. coverage
Sn, Cu, As anomalies

11-5

ML 1 O
Drilled 1962
Dip 70° to 090°
Azim 090°
Core BQ
Lode zone 20m thick
incl. two high grade zones
Rich "lode" zone
0.24% Sn over 10m
Incl. 7.5m 0.43% Sn

ML 2 O
Drilled 1962
Dip 70° to 090°
Azim 090°
Core BQ
Lode zone 20m thick
incl. two high grade zones
0.24% Sn over 10m
Incl. 7.5m 0.43% Sn

35m 0.53 Sn
Incl. 10.5m 0.79
ML 3 O
10m 0.55 Sn
Very certain a wide Sn
rich fault zone. Complete
hole about 15m 1.02 Sn

Strong magnetic anomaly.
Conductive but not chargeable. Weak Sn response.

11

ML 31 O
Vein of coarse cream
and orange to reddish-
brown cassiterite
Lode about 15m thick
containing some Sn.
0.29 Sn, 0.08 Sn
0.06 Cu, 0.05 WO3

ML 32 O
15m 0.48 Sn
Incl. 3m
0.90 Sn
< 0.01 WO3

ML 33 O
12m 0.90 Sn
Incl. 3.5m 2.80 Sn
0.27 WO3

ML 35 O
3m 0.35 Sn
0.08 Cu
0.02 As
0.03 WO3
With 30% of mineralised
shales and trace cassiterites
Significant (0.15)
Acid sol. Sn

ML 43 O
Intersected granite

Boundary of 62M/63

No sig. mag. anomaly
No I.P. coverage
Small Sn anomaly

10-5

ML 52 O
Numerous 3 to 3m thick
0.5 to 1.0% disseminated cass
1 to 5% cass-silicate + 0.02% Sn

10

No sig. mag. response
Very strong I.P. quad. anomaly.
Strong Sn, As anomalies.

ML 54 O
Horizon 12.5m thick.
Beds with minor sulphides
0.11% Sn, 0.05% Sat Sn.

No magnetic response.
No I.P. coverage
Mod. Sn, Cu, As anomalies.

9-5

ML 60 O
35m thick.
Tough siliceous/calc rock recovery.
Minor calc-silicates, chert & carbonate.
Nil Sn.

Poor magnetic, I.P. geochem. responses

9

ML 37 O
Chert and carbonate
2m thick

Strong magnetic anomaly.
No I.P. coverage.
Mod. As, Cu, Zn response

8-5

ML 49
Garnet carbonate
Cherty reef lode
30m thick

Poor magnetic, I.P. geochem. responses

8

Very strong mag. anomaly
Resistive zone
Mod. As, Cu anomaly.

7

ML 38 O
10m Carbonates and
cherts, trig.
pyrrhotite.

Poor mag. correlation
No I.P. coverage
Strong As anomaly

6-5

ML 40 O
8m Cherts, calc-silicate,
trace sulphides

Strong mag. anomaly
Weak I.P. response
No geochem. response

6

ML 42 O
8m Thin cherty
sequence
Minor syntaxite

Strong mag. anomaly
No I.P. response
Weak Cu, Zn anomaly

5

ML 45 O
Thin poorly developed
cherty/shale sequence

No sig. mag. anomaly
No I.P. coverage
Mod. As anomaly

4-5

ML 46 O
Calc-silicate and carbonate
lode about 30m thick
1.0m = 0.11 WO3

1. Surface shown is projected outcrop position of main ore zone.
2. Positions where traverse lines cross outcrop are shown thus:
   Geophysical and geochemical responses obtained on traverse lines across the outcrop position are also shown.
3. O ML 33
   Centre of ore zone diamond drill hole intersection point.
   Thicknesses shown are estimated true thicknesses.
4. ML 1 to ML 33 were drilled by Aberfoyle between 1962-69 and all data relating to these holes should be regarded as approximate only.

5cm

FOR AN OREBODY 10 m WIDE
A SQUARE THIS BIG ON THIS
PROJECTION WOULD REPRESENT
1,000,000 tonnes

TONNAGE POTENTIAL GUIDE

1. Projection plane runs grid N.W.-S.E. and looks N.E.
2. Grid and R.L. systems used are Renison Mine systems.
3. Projection limits and section lines correspond to those of the Mt. Lindsay 1:2000 base plan M 16.

RENISON LIMITED

MT LINDSAY PROJECT
MAIN ORE ZONE
LONGITUDINAL PROJECTION

GEOLOGIST : R.R. Schellekens	SCALE 1:2000 METRES
DRAUGHTSMAN : J.M. Matthews	0 20 40 60 80
DATE : July 1979	
REVISIONS :	DRAWING No. M.L.P. 141

MT. LINDSAY NORTH
MAIN ORE ZONE
LONGITUDINAL PROJECTION
1:2000
(Looking N.E.)

59

NUMEROUS OLD MINE WORKINGS COLLECTIVELY KNOWN AS THE MT LINDSAY MINE

FAULT B FAULT GAP

FAULT C FAULT GAP

FAULT D FAULT GAP

FAULT E FAULT GAP

FAULT BLOCK 1

FAULT BLOCK 2

FAULT BLOCK 3

FAULT BLOCK 4

ML 62M/63

FAULT D – FAULT GAP

FAULT E – FAULT GAP

32 600N 32 200N 32 000N 31 800N 31 600N 31 400N 31 200N 31 000N 30 800N

2700m R.L. 2600m R.L. 2500m R.L. 2400m R.L. 2300m R.L. 2200m R.L. 2100m R.L. 2000m R.L. 1900m R.L. 1800m R.L. 1700m R.L. 1600m R.L. 1500m R.L. 1400m R.L. 1300m R.L.

For an orebody 20m wide a square this big on this projection would represent 1,000,000 tonnes

LEGEND

hanging wall intersection — ML 32 (4m 0.45% Sn (0.07% Sn) 0.07% WO3)

foot wall intersection — ML 32 (4m 0.45% Sn (0.07% Sn) 0.07% WO3)

Hole No.
Estimated horizontal thickness of complete Main Ore Zone
Grade of complete intersection (or where barren, assay of the M.O.Z. intersection)
Grade of Scheelite intersection (or where barren, assay of the M.O.Z. intersection)
Value in brackets is mild soluble WO4 (Tentoxo assay)

Surface is projected centre of the Main Ore Zone, interpreted outcrop position

Fault gap at centre of the Main Ore Zone's interpreted outcrop position

Approximate position of granite

Projection of fault - hanging wall contact

Projection of fault - foot wall contact

NOTES:

1. ML 1 to ML 31 were drilled by Aberfoyle between 1982 and 1989. Not all data relating to their holes should be regarded as approximate only.
2. Projection plane runs grid NW–SE and faces N.E.
3. Grid and R.L. systems used are Pasminco Mine Systems.
4. Projection limits correspond to those of the Mt Lindsay 1:2000 base plan MT5.
5. Section lines correspond to the 7560 northings where they intersect the longitudinal reference line shown on the structure contour plan.

5 cm

GOLD FIELDS EXPLORATION PTY LIMITED

MT. LINDSAY

LONGITUDINAL PROJECTION MAIN ORE ZONE

DRAWN BY : P.A.R.
DRAFTSMAN : T.S.D.S.
DATE : Oct.'83
REVISIONS :
FILE NO.

SCALE 1:2000 — 40 20 0 40 80 METRES

FIG. 3

MT LINDSAY
LONGITUDINAL PROJECTION
MAIN ORE ZONE
(D.M. 1983)

LONG. PROJECT. MAIN ORE ZONE

NORTH AMERICAN DATUM 1927 (N.A.D. 1927)
PROJECTION MAP GRID ZONE 55
(E.L. 2,631,818 E.M. 18/23)
60

32 400N | 32 200N | 32 000N | 31 800N | 31 600N | 31 400N | 31 200N | 31 000N | 30 800N

2700m R.L. | 2600m R.L. | 2500m R.L. | 2400m R.L. | 2300m R.L. | 2200m R.L. | 2100m R.L. | 2000m R.L. | 1900m R.L. | 1800m R.L. | 1700m R.L. | 1600m R.L. | 1500m R.L. | 1400m R.L. | 1300m R.L.

FAULT BLOCK 1

FAULT B FAULT GAP

FAULT C FAULT GAP

FAULT BLOCK 2

FAULT D FAULT GAP

FAULT BLOCK 3

FAULT E FAULT GAP

FAULT C

FAULT D

FAULT BLOCK 4

FAULT E- FAULT GAP

2/1 Mm

2/2 Mm

2/3 Mm

2/4 Mm

2/5 Mm

ML 37 Mm

ML 44 Mm

ML 55 (cross 4) Mm

ML 64 Sh

ML 47 Mm

ML 41 Sh

ML 56 (cross 5) Mm

ML 36 (cross 3) Sh

ML 38 (cross 3) Mm

ML 59 Mm

ML 49 Mm

ML 51 Mm

ML 40 Mm

ML 42 Mm

For an orebody 20m wide a square this big on this projection would represent 1,000,000 tonnes

LEGEND

Hangingwall intersection — Hole No. / Drill hole horizontal thickness of ore above No. 2 Horizon / Grade (g/t gold) / accumulation (gram/tonne metres) / Estimated tectonic thickness of mineralized intersection

Footwall intersection — Estimated tectonic thickness of mineralized intersection normal to footwall contact / Value in brackets is Gold Metallic Fit (Flanagan 1969)

Surface is projected contact of the No. 2 Horizon, interpreted outcrop position

Fault gap at centre of the No. 2 Horizon, interpreted outcrop position

Approximate position of granite

Projection of fault - hangingwall contact

Projection of fault - footwall contact

NOTES:

1. Drillholes 2/1 to 2/5 were drilled by Aberfoyle in 1968-1969. All core relating to these holes should be regarded as approximate only.
2. Projection plane runs grid NW-SE and faces N.E.
3. Grid and RL. systems used are Pancon Mine Systems.
4. Projection limits correspond to those of the Mt. Lindsay 1:2000 base plan M.16.
5. Section lines correspond to the PMG northings where they intersect the longitudinal reference line shown on the structure contour plan.

5 cm

GOLD FIELDS EXPLORATION PTY LIMITED

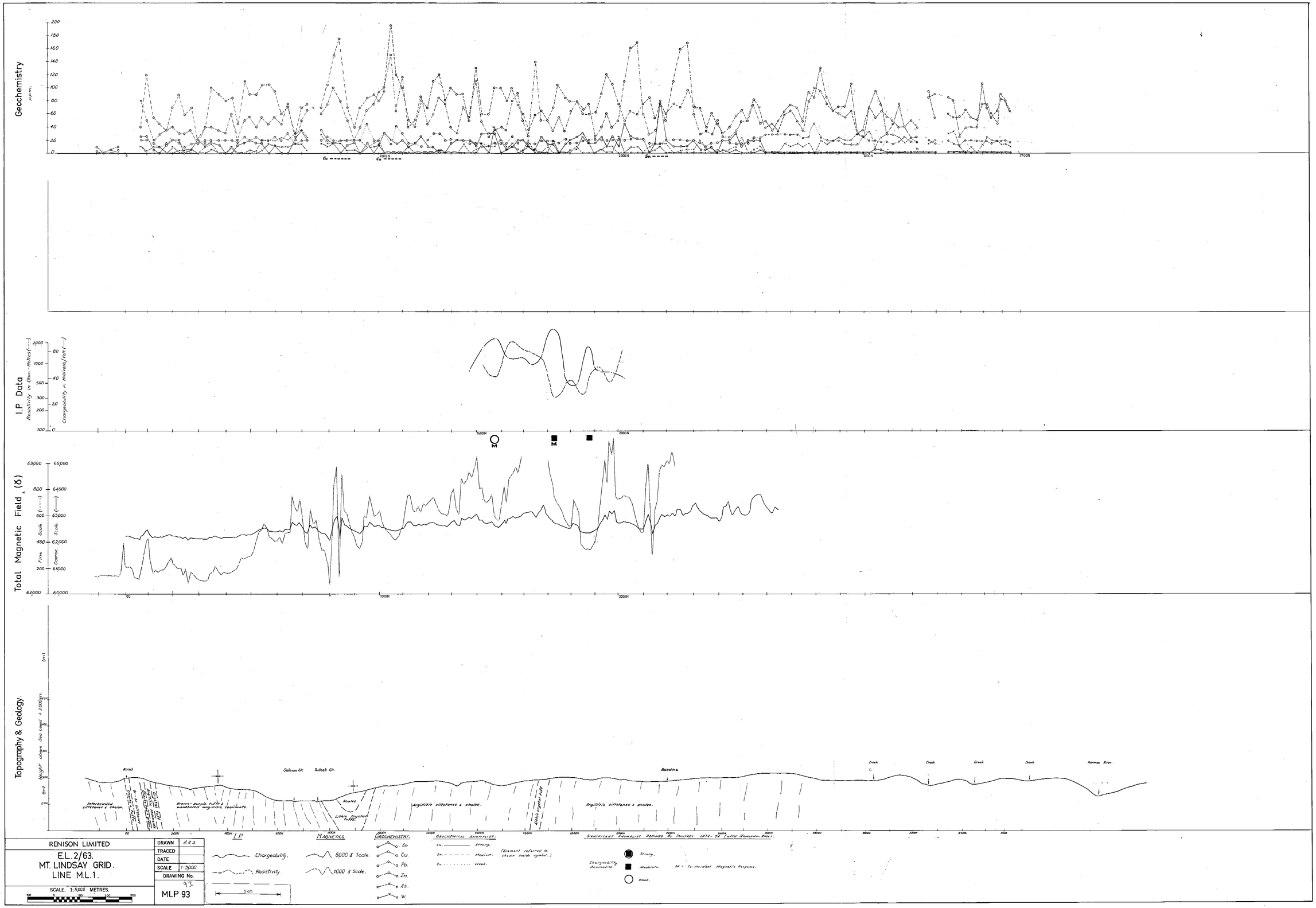
MT. LINDSAY

LONGITUDINAL PROJECTION No. 2 HORIZON

DRAWN BY	P.A.R.
DRAFTSMAN	T.G.D.S.
DATE	Oct. '83
REVISIONS	
FILE NO.	
FIG. 4	

SCALE 1:2000 — 0 10 20 30 40 50 METRES

(E.L. 2/43 to E.L. 16/73)
85 - 2425
MT. LINDSAY
1:2 000
LONGITUDINAL PROJECTION
(04.167)
LONG. PROTECT. NO. 2 HORIZON.



RENISON LIMITED	DRAWN	R.R.S.
E.L. 2/63. MT. LINDSAY GRID. LINE M.L.1.	TRACED	
	DATE	
	SCALE	1:5000.
	DRAWING No.	93
SCALE. 1:5000 METRES.	MLP 93	

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L.1

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

62

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
M.L.2
1:5000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

63

Geochemistry
p.p.m.

200
180
160
140
120
100
80
60
40
20
0

Cu ----- Sn .....

0 1000N Cu ---- Sn ---- ---- 2000N 2500N

I.P. Data
Resistivity in Ohm-Metres (---)
Chargeability in Millivolts/Volt (—)

2000
1000
500
300
200
100

60
40
20
0

00 1000N 2000N 2400N

M

Total Magnetic Field (δ)

63000 65000
800 64000
600 63000
400 62000
200 61000
62000 60000

Scale (----) Fine
Scale (——) Coarse

00 1000N 2000N 2400N

Topography & Geology.

Height above Sea Level + 2000 ft. (m)

2100 (m)

Road Creek Salmon Creek. H.E. Road Walking Track Creek Tullock Creek South East Ck. Creek Creek

Interbedded siltstones & shales. Sed. Breccia Gr.-br. siltstones & minor tuffs. Chert Crystal Tuff. Argillitic siltstones & shales. Shales Lithic crystal tuff Argillitic siltstones & shales. Hornfels

00 200N 400N 600N 800N 1000N 1200N 1400N 1600N 1800N 2000N 2200N 2400N

IP
Chargeability.
Resistivity.
5 cm

MAGNETICS.
5000 γ Scale
1000 γ Scale.

GEOCHEMISTRY.
Sn
Cu
Pb
Zn
As
W.

GEOCHEMICAL ANOMALIES.
Sn. ——— Strong.
Sn. — — — Medium. (Element referred to shown beside symbol.)
Sn. ..... Weak.

SIGNIFICANT ANOMALIES DEFINED BY SINTREX 1973 - '74 (after HOWLAND-ROSE).
Chargeability Anomalies.
Strong.
Moderate.
Weak.
M = Co-incident Magnetic Response.

RENISON LIMITED
E.L. 2 63.
MT. LINDSAY GRID.
LINE M.L. 2.
SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	R.R.S
TRACED	
DATE	April '74.
SCALE	1:5000.
DRAWING No.	MLP 94

NORTH PIGEON
MT. LINDSAY LINE PROFILE M.L.3
1:5000

85 - 2485
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

64

Geochemistry
p.p.m.

I.P. Data
Resistivity in Ohm - Metres (----)
Chargeability in milliVolts/Volt (—)

Total Magnetic Field (γ)
Fine Scale (----) Coarse Scale (—)

Topography & Geology.
Height above Sea Level x 200 ft. (m.)

Low Low Ck. Road | Old Road | Johnson Ck. Creek | Walking Track Creek | Tulloch Ck. Creek | South East Creek | Creek | Creek | Creek

Interbedded siltstones & shales. Black chert beds near top of sequence.

Crystal tuffs

Argillitic siltstones, shales & tuffs.

Crystal tuffs

Tulloch Creek Contamination

Cu ——— Cu - - - - - Cu ..... Cu .....

IP
Chargeability.
Resistivity.

Magnetics
5000 γ Scale.
1000 γ Scale.

Geochemistry
Sn.
Cu.
Pb.
Zn.
As.
W.

Geochemical Anomalies
Zn. ——— Strong.
Zn. - - - - Medium. (Element referred to shown below symbol.)
Zn. ..... Weak.

Significant Anomalies Defined By Soutpress 1973-74 Taffel Hamland-Rose).

Chargeability Anomalies.
Strong.
Moderate.
Weak.
All ○ Coincident Magnetic Response.

RENISON LIMITED	
E.L. 2/63. MT. LINDSAY GRID. LINE M.L. 3	
DRAWN	R.A.S.
TRACED	
DATE	Apr. 1974
SCALE	1:5000
DRAWING No.	MLP 79

SCALE. 1:5000 METRES.
-100 0 100 200 300

5 cm

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 4

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

65

Geochemistry

ppm.

200 180 160 140 120 100 80 60 40 20 0

00 1000N 1500N 2000N

Zn ---- ····Pb
As

Zn ---- ····Pb
As ----

As

I.P. Data

Resistivity in Ohm - Metres (----)
Chargeability in Millivolts/Volt (—)

2000 1000 500 300 200 100
60 40 20 0

1973 - 74 Survey a = 30 m.
1974 - 75 Survey a = 25 m.

00 1000N 1500N 2000N

C,M C,M C,M C

Total Magnetic Field (δ)

Fine Scale (----)
Coarse Scale (—)

63,000 65,000
800 64,000
600 63,000
400 62,000
200 61,000
62,000 60,000

00 1000N 2000N 2200N

Topography & Geology.

Height above Sea Level + 2000 m.
(m)

2600 2400 2200 2100

Low Low Creek
11 Chain Road
Creek
Salmon Ck.
Walking Track
Turlock Ck.
South East Ck.
Baseline
Argillitic siltstones & shales.

Grey siltstones & shales.
Crystal tuff
Tuffs
Crystal tuff
Argillitic siltstones & shales
Crystal tuffs
Crystal tuffs

00 200N 400N 600N 800N 1000N 1200N 1400N 1600N 1800N 2000N 2200N

I.P

Chargeability.
Resistivity.

MAGNETICS.

5000 γ Scale.
1000 γ Scale.

5 cm

GEOCHEMISTRY.

Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES.

Sn. ———— Strong.
Sn. – – – – – Medium.
Sn. ····· Weak.
(Element referred to shown beside symbol.)

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE).

Chargeability Anomalies.
Strong.
Moderate.
Weak.
M = Co-incident Magnetic Response.

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE).

Chargeability Anomalies.
Strong.
Moderate.
Weak.
M = Co-incident Magnetic Response.
Conductivity {C Strong, C Moderate, (C) Weak.

RENISON LIMITED
E.L.2/63.
MT. LINDSAY GRID.
LINE M.L. 4

SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	R.R.S.
TRACED	
DATE	Apr. 1974
SCALE	1:5000.
DRAWING No.	MLP 80

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

500 S 400 S 300 S 200 S 100 S 0 100 N

SOIL pH

'A' Horizon ·----· 'B' Horizon x----x

5·8 5·6 5·4 5·2 5·0

200 S 100 S 0

'B' HORIZON

o---- o % TiO_2 x---x % CaO×10 ·----· % MgO

5 4 3 2 1

200 S 100 S 0

o---- o % SiO_2 ×0·5 x---x % FeO_3 ·---· % Al_2O_3

26 24 22 20 18 16

500 S 400 S 300 S 200 S 100 S 0 100 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2400 2350 2300 2250 2200 2150 2100 2050 2000 1950

MAGNETIC SUSCEPTIBILITY (1 x × 10^{-6} c.g.s.)

10000 1000 100

BASELINE

SOUTH EAST CREEK

Weathered rock and clays.

50 m — Trace pyrrhotite <0·1% Sn

100 m — Broken zone with core loss. Carbonate, chert. Trace pyrrhotite.

150 m — Very broken core. Rhodochrosite, calcite veinlets.

200 m — Trace pyrrhotite <0·1% Sn

250 m

300 m — Broken zone; Actinolite, rhodochrosite veinlets.

350 m — Trace pyrrhotite

400 m — Impure carbonate, bedded chert. Rare stylolites. Trace pyrrhotite. <0·1% Sn

450 m

D.D.H. 42 460m

500 S 400 S 300 S 200 S 100 S 0 100 N

NO I.P. COVERAGE

MAGNETICS

5 000 γ SCALE

1000 γ SCALE

GEOMETRICS G816 PROTON MAGNETOMETER USED. SPACING 10m ALONG LINE. SENSOR HEAD 3m ABOVE SURFACE.

SOIL GEOCHEMISTRY

Sn Cu Pb Zn As W

SECTION LOOKING N.W.

LEGEND

a VOLCANICLASTIC SEDIMENTS Greywacke siltstones
a Strongly magnetic zones
b Mottled alteration zones Bleached mottled colours at contact of carbonate horizon.

CARBONATE — CHERT HORIZON Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.

SKARN MINERALISATION Replacing carbonate chert horizon. Magnetite rich.

GRANITE

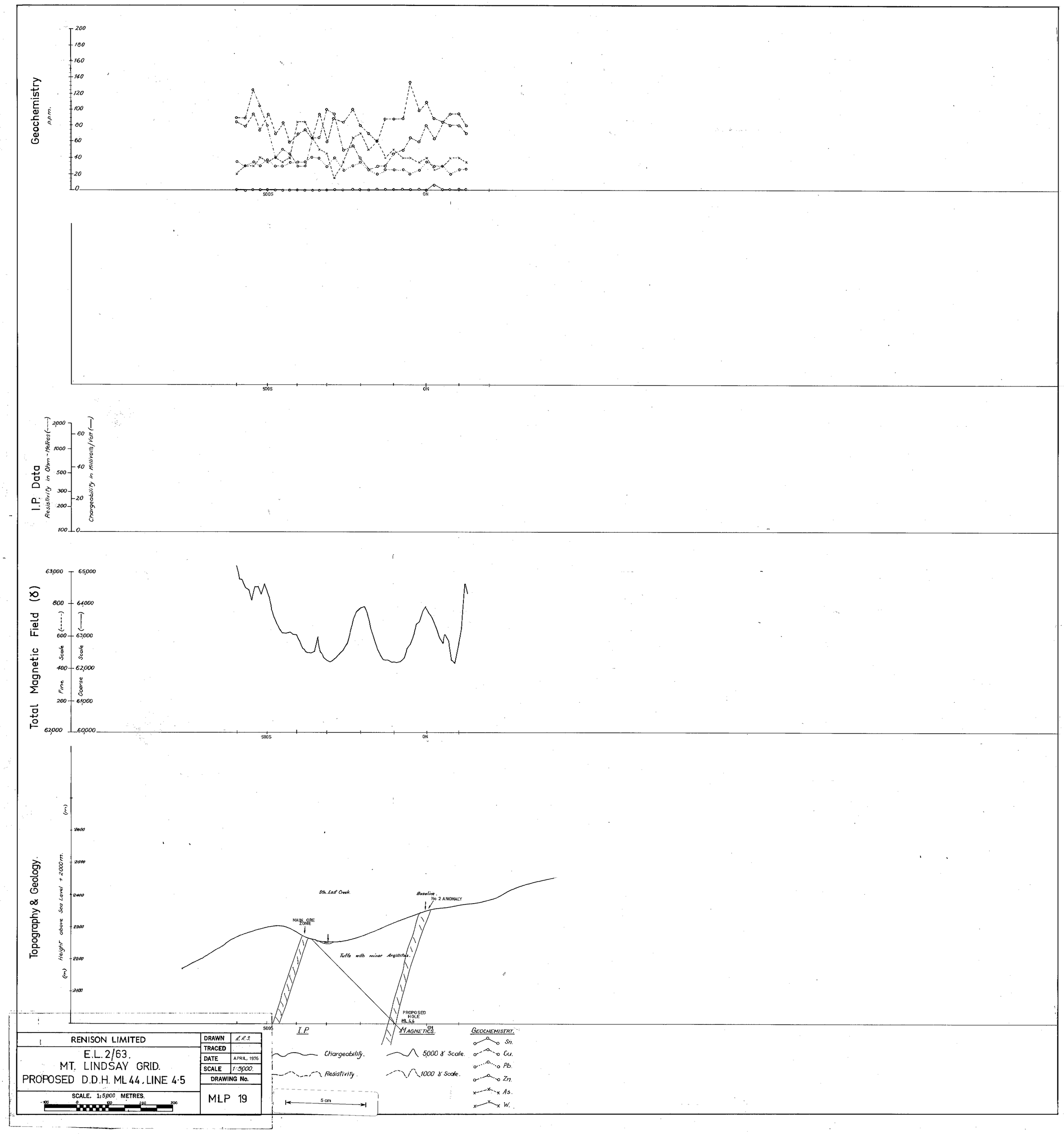
RENISON LIMITED	
E.L. 2/63 MT. LINDSAY GRID. D.D.H. 42 LINE 4·5	
GEOLOGIST : C. Cannard	SCALE 1:1000 METRES 20 0 20 40
DRAUGHTSMAN :	
DATE : June 1981	
REVISIONS :	DRAWING No

5 cm

NORTH PIMAN MT. LINDSAY LINE PROFILE M.L. 4·5 Showing results of MASSE ELEMENT ELECTROM. SURVEY 1:1000

99

85 - 2425 Mt. Lindsay (E.L. 2/63 & E.L. 18/73)



RENISON LIMITED	DRAWN	R.R.S.
E.L. 2/63. MT. LINDSAY GRID. PROPOSED D.D.H. ML 44, LINE 4·5	TRACED	
	DATE	APRIL, 1976
	SCALE	1:5000.
SCALE. 1:5000 METRES.	DRAWING No.	MLP 19

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 4.5

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

67

NORTH PIEMAN
MT. LINDSAY LINE PROFILE M.L.5
1:5000

85 - 2465
Mt. Lindsay
E.L. 2/63 & E.L. 18/73

68

Geochemistry
p.p.m.

Cu
Pb
Zn
As
Sb

THREE ARRAY
1974 - 75
Survey.

I.P. Data
Resistivity in Ohm - Metres (---)
Chargeability in Milliseconds/Volt (——)

Total Magnetic Field (δ)
Fine Scale (----)
Coarse Scale (——)

Topography & Geology.

Creek
Low Low Ck.
Road
Pipe-like sink hole
Salmon Ck.
Walking Track
Sn. Cu. As. Anomaly.
Tullagh Ck.
South East Ck.
As. Anomaly.
Basalts.
Cu.
PIEMAN CREEK

Quartzites
Interbedded siltstones and quartzites
Interbedded siltstones & shales
Argillitic siltstones & tuffs
Crystal tuffs
Argillitic siltstones & tuffs
Crystal tuffs
Argillite
Crystal tuffs
Altered crystal tuffs & argillites.

I.P.
Chargeability
Resistivity

MAGNETICS
5000 δ Scale
1000 δ Scale

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

GEOCHEMICAL ANOMALIES
Sn. Strong.
Sn. Medium. (Element referred to therein beside symbol.)
Sn. Weak.

SIGNIFICANT ANOMALIES DEFINED BY SURVEYS 1973-74 (after Hawkins-Read)
Chargeability Anomalies.
Strong.
Moderate.
Weak.
M = Coincident Magnetic Response.

RENISON LIMITED
E.L.2/63.
MT. LINDSAY GRID.
LINE M.L. 5.
SCALE 1:5000 METRES
MLP 81

DRAWN	A.R.S.
TRACED	
DATE	Apr 1974
SCALE	1:5000
DRAWING No.	

5 cm

Geochemistry

P.P.M.

Soil pH

'B' Horizon

'B' HORIZON

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

MAGNETIC SUSCEPTIBILITY

MAIN LODE

SOUTH EAST CREEK

Nº 1

Nº 2

ML 40

ML 45

Nº 2 ANOMALY

Magnetic shale

Weathered rock and clays

Mottled zone

Carbonate rich shale

Trace pyrrhotite <0·1% Sn

Green diagenetic ovoids

Non-magnetic shale

Carbonate

Carbonate Mottled zone

Chert and shale

Very broken zone

Red garnet common

Trace pyrrhotite throughout <0·1% Sn

Actinolite veinlets increasing

Contorted sediments

Carbonate and calc-silicate

Chert

I.P. DATA

CHARGEABILITY

RESISTIVITY

MAGNETICS

5000 ϑ SCALE

1000 ϑ SCALE

SOIL GEOCHEMISTRY

Sn

Cu

Pb

Zn

As

W

LEGEND

VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a. Strongly magnetic zones
b. Mottled alteration zones
Bleached mottled colours at contact of carbonate horizon.

CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.

SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.

GRANITE

SECTION LOOKING N.W.
NOTE DISTANCES SLOPE NOT HORIZONTAL

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID
LINE 6

GEOLOGIST : C.Connard	SCALE·1: 1000METRES
DRAUGHTSMAN :	20 0 20 40
DATE : June 1981	
REVISIONS :	DRAWING No.

NORTH PENMAN
MT. LINDSAY LINE ROOFIE
M.L.6
SHOWING RESULTS OF
MAJOR ELEMENT
GEOCHEMISTRY
1:1000

69

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

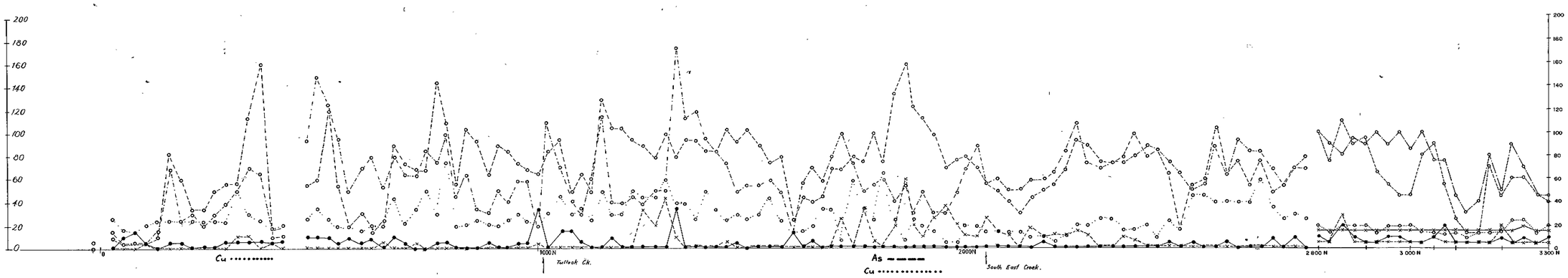
NORTH PIGMAN
MT. LINDSAY
1:5000

LINE PROFILE
M.L. 6

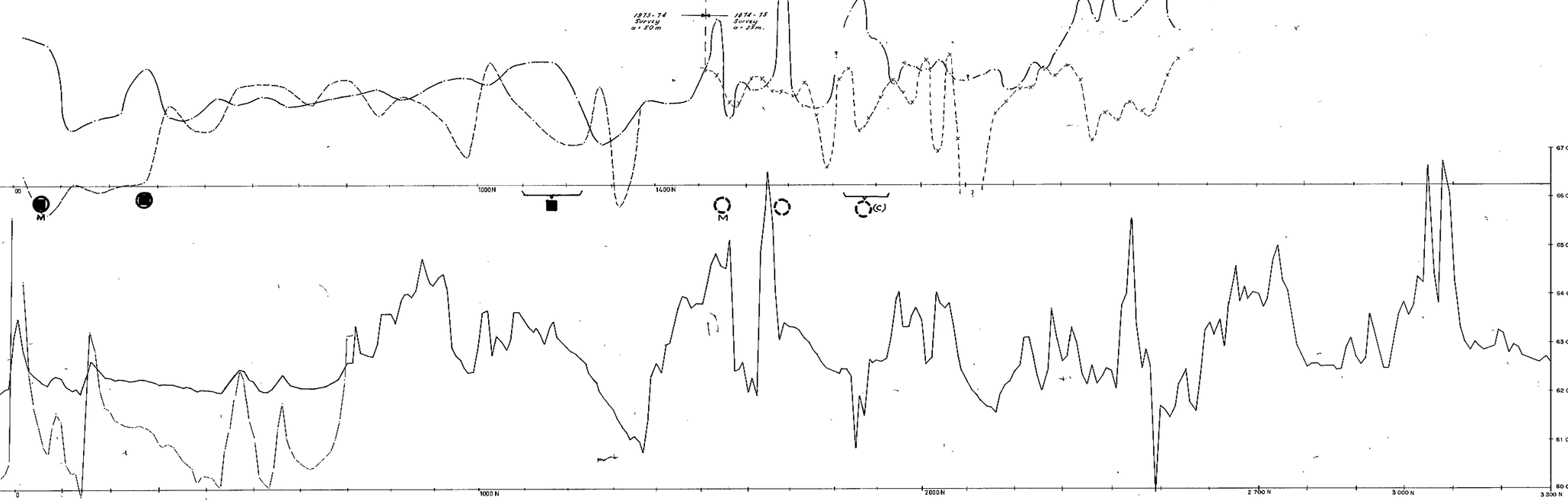
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

70

Geochemistry
p.p.m.

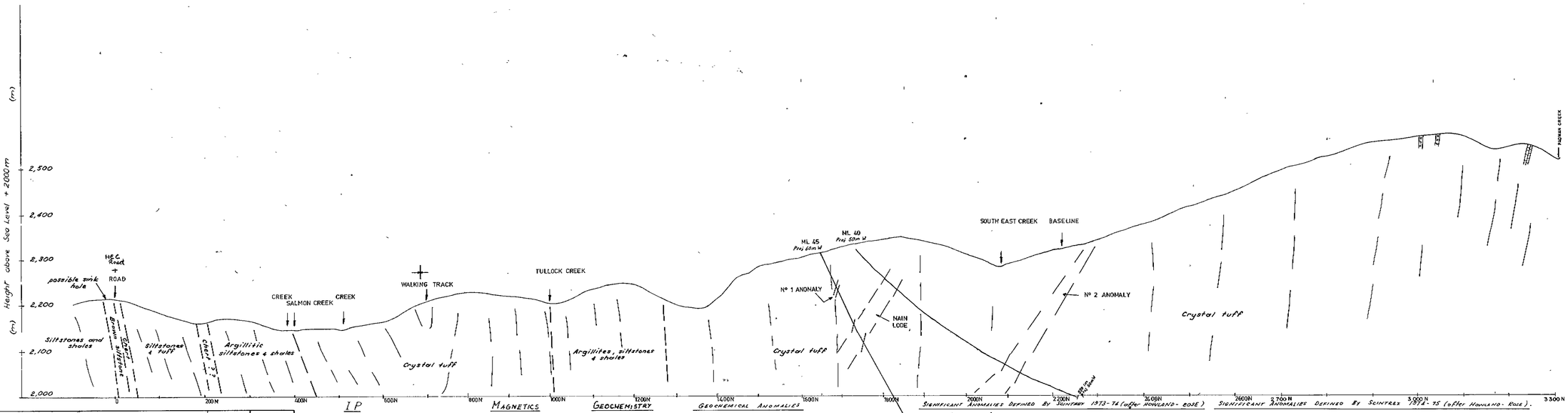


I.P. Data
Resistivity in Ohm - Metres (---)
Chargeability in Millivolts/Volt (——)



Total Magnetic Field (δ)
Fine Scale (-----) Coarse Scale (——)

Topography & Geology.
Height above Sea Level + 2000m (m)



IP
Chargeability
Resistivity
5 cm

MAGNETICS
5000 δ Scale
1000 δ Scale

GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

GEOCHEMICAL ANOMALIES
Sn. —— Strong.
Sn – – – Medium.
Sn. . . . . Weak.
(E)lement referred to shown beside symbol

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE)
Chargeability Anomalies.
Strong.
Moderate
Weak.
M= Co-incident Magnetic Response.

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1974-75 (after HOWLAND-ROSE).
Chargeability Anomalies.
Strong
Moderate.
Weak.
M= Co-incident Magnetic Response.
Conductivity (C Strong; C Moderate; (c) Weak)

RENISON LIMITED	
E.L. 2/63. MT. LINDSAY GRID LINE ML 6	
SCALE. 1:5000 METRES. 100 0 100 200 300	
DRAWN	R R S
TRACED	
DATE	APRIL'76
SCALE	1:5000
DRAWING No.	MLP 81

Geochemistry

P.P.M.

300 As
595 As
275 As

200
180
160
140
120
100
80
60
40
20
0

400 S 300 S 200 S 100 S 00 100 N 200 N

Soil pH

A Horizon ·----·
B Horizon x---x

5·8
5·6
5·4
5·2
5·0

100 S 00 100 N

'B' Horizon

o----o % TiO_2 x---x % CaO x 10 ·----· % MgO

5·0
4·0
3·0
2·0
1·0

100 S 00 100 N

o----o % SiO_2 x 0·5 x---x % Fe_2O_3 ·----· % Al_2O_3

26
24
22
20
18
16

400 S 300 S 200 S 100 S 00 100 N 200 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2,000 ft

2450
2400
2350
2300
2250
2150
2100
2050
2000
1950
1900
1850
1800
1750

MAGNETIC SUSCEPTIBILITY 100 1000 10000 100000 x 10^{-6} c.g.s. units

Nº 1
MAIN LODE
SOUTH EAST CREEK
Nº 2
Base of weathering
Trace pyrrhotite <0·1% Sn
Trace pyrrhotite throughout <0·1% Sn
Garnet - vesuvianite alteration
Nº 1 ANOMALY
Mostly chert, minor carbonate near centre
Trace pyrrhotite, minor calc silicate alteration <0·1% Sn
Altered seds Trace pyrrhotite
Magnetite carbonate cassiterite skarn.
Core broken Minor brecciated fragments. Rhodochrosite veins
Minor quartz, actinolite veinlets with trace pyrrhotite
ML38
ML 44
Nº 2
Calc - silicates, rare scheelite
Grey carbonate with minor cherts
MAIN LODE
Shales, chert and carbonate
Calc silicate and carbonate
Cherty sediments
MAIN LODE
Interbedded magnetic and non magnetic bands
Mottled zone
Carbonate, chert and shale
Pyrrhotite - chlorite
Carbonate
Calc - silicates
Carbonate
Calc - silicates minor pyrrhotite
Fault zone
Nº 2 ANOMALY
ML 46
ML 46 & ML 46 A
ML 38

% Sn.
% Sol. Sn

500 S 400 S 300 S 200 S 100 S 00 100 N 200 N

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID
LINE 6·5

GEOLOGIST C. Connard	SCALE 1: 1000 METRES (20 0 20 40)
DRAUGHTSMAN .	
DATE June 1981	
REVISIONS	DRAWING No

I.P DATA
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 ♂ SCALE
1000 ♂ SCALE

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.
NOTE DISTANCES SLOPE NOT HORIZONTAL

LEGEND

VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a. Strongly magnetic zones
b. Mottled alteration zones
Bleached mottled colours at contact of carbonate horizon

CARBONATE - CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite

SKARN MINERALISATION
Replacing carbonate chert horizon
Magnetite rich.

GRANITE

NORTH PIGWAY
MT LINDSAY LINE ROOFLE
M.L. 6·5
SHOWING RESULTS OF
MASSIE ELEMENT
GEOCHEM. SURVEY
(1000)

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

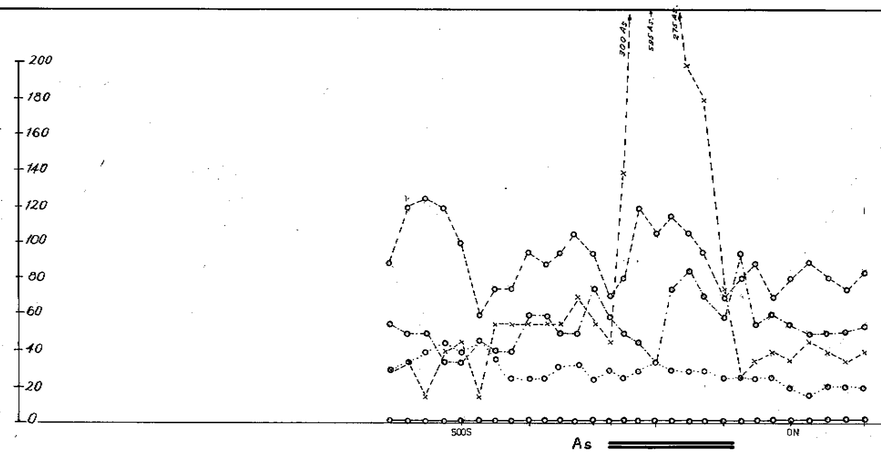
NORTH PEGMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L.6.5

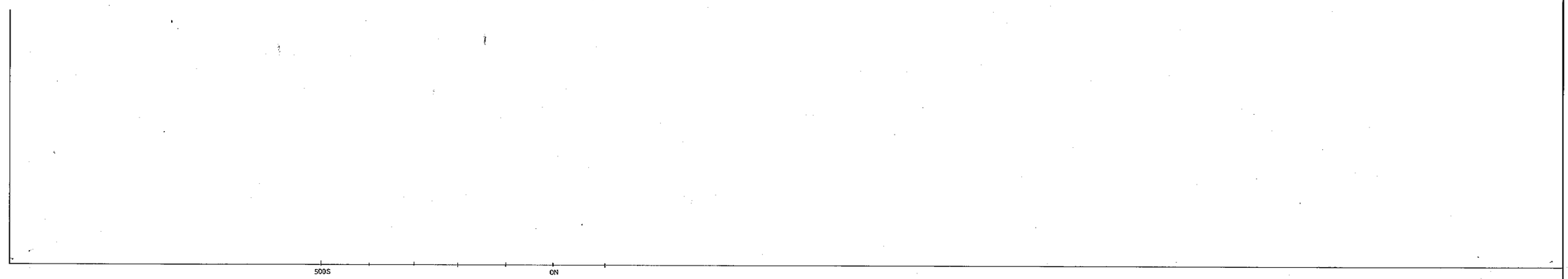
72

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

Geochemistry

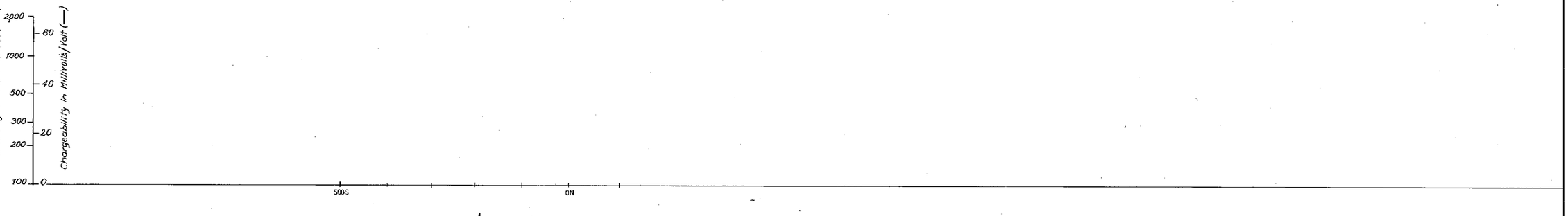
ppm.



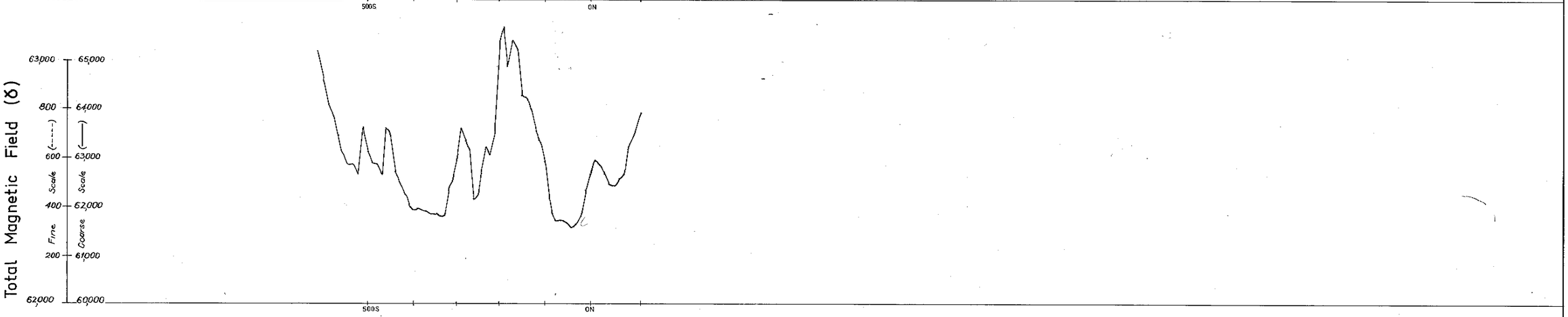


I.P. Data

Resistivity in Ohm-Metres (----)
Chargeability in Millivolts/Volt (——)

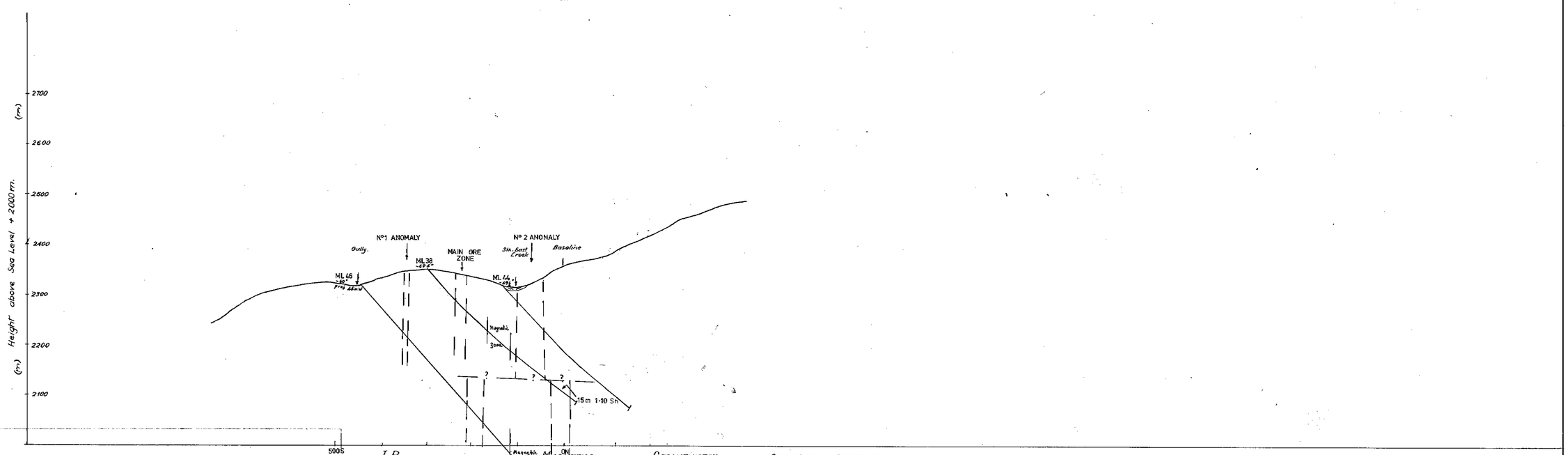


Total Magnetic Field (δ)



Topography & Geology.

Height above Sea Level + 2000 m.



RENISON LIMITED	
E.L. 2/63. MT. LINDSAY GRID DRILL HOLES ML38, 44, 46, LINE 6·5	
SCALE. 1:5000 METRES. 100 0 100 200 300	MLP 17

DRAWN	K.K.S.
TRACED	
DATE	APRIL '76
SCALE	1:5000.
DRAWING No.	

I P
Chargeability.
Resistivity.
5 cm

MAGNETICS.
5000 γ Scale.
1000 γ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES.
Sn. —— Strong.
Sn. – – – – Medium.
Sn. ····· Weak.
(Element referred to shown beside symbol.)

Geochemistry

670 As 875 As 730 As 600 As 780 Zn 550 Zn

2000 2100 2200 2300 2400 2500

Soil pH

'A' Horizon ---- 'B' Horizon x---x

5·6 5·4 5·2 5·0

2200 2300 2400

'A'+'B' Horizons

'A' Horizon —o— % TiO_2 —x— % CaO×10 —— % MgO

'B' Horizon o---o % TiO_2 x---x % CaO×10 ---- % MgO

5·0 4·0 3·0 2·0 1·0

2000 2100 2200 2300 2400 2500

'B' Horizon

o---o % SiO_2×0·5 x---x % Fe_2O_3 ----- % Al_2O_3

26 24 22 20 18 16

2000 2100 2200 2300 2400 2500

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m.

2500 2450 2400 2350 2300 2200 2150 2100 2050 2000 1950 1900 1850 1800

Magnetic Susceptibility ×10^{-4} c.g.s. units 100 1000 10000

ML 50 Proj. 4·0m NW

ML 51 Proj. 2·5m NW

ML 55 Proj. 17·0m NW

Proj. 2·5m NW Length 104·0m

Proj. 3·0m NW Length 340·0m

Proj. 14·0m NW Length 493·0 m

N°2 Carbonate (upper) partly weathered and calc-silicates

Magnetic shale

N°2 carbonate (lower) Calc-silicates + chert

Fault zone

N°1 Carbonate (calc-silicates minor sulphides)

5 cm

RENISON LIMITED

E.L. 2/63
MT. LINDSAY GRID
LINE ML.7
HOLES ML50, 51 & 55

GEOLOGIST : C. Cannard	SCALE 1:1000 METRES
DRAUGHTSMAN :	20 0 20 40
DATE : June 1981	
REVISIONS :	DRAWING No.

I.P. DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

Section looking N.W.

NOTE: Distances slope, not horizontal

SOIL GEOCHEMISTRY
Sn Cu Pb Zn As W

LEGEND
VOLCANICLASTIC SEDIMENTS Strongly magnetic zones Non magnetic zones
CHERT
MOTTLED ZONES
CARBONATE ZONE Minor chert and calc-silicates
CALC SILICATES
CLAY Weathered carbonate and/or calc-silicates
SKARN MINERALISATION Magnetite, pyrrhotite and phlogopite
FAULT ZONE
MEREDITH GRANITE

NORTH FLEMING
MT. LINDSAY LINE PROFILE ML.7
SHOWING RESULTS OF MAPPING ELEMENT GEOCHEM. SURVEY
1:1000

85 - 2925
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

73

NORTH PENNAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 7

MS - 2425
MT. LINDSAY
(E.L. 2/63 & E.L. 1873)

74

Geochemistry
p.p.m.

Sn
As — Cu
Possible contamination in Tullach Creek

I.P. Data
Resistivity in Ohm. Metres (----)
Chargeability in Milliseconds/Volt (——)

(M) M

Total Magnetic Field (γ)
Fine Scale (----) Coarse Scale (——)

Topography & Geology.
Height above Sea Level x 1000 ft. (m.)

Road · Siskron Ck. · Salmon Ck. · Walking Track · Tullock Ck.

Grey siltstones & mirbon interbedded nodular chert beds near Rep.

Sediments & tuffs.

Sediments & tuffs.

Crystal tuff.

Magnetic and non-magnetic tuffaceous sediments

N.T. Anomaly · Proposed Drill Hole M.L.58 (Dip) · Scotty Fault · Baseline

M.L.50 M.L.51 M.L.52 M.L.58

E.L. M.L.57 S.L. M.L.58

PENNAN CREEK

Tertiary Sediments · Tertiary Volcanics · Tertiary Intrusives · Triassic Sediments

380m · 492m

RENISON LIMITED
re E.L. 2/63
MT. LINDSAY GRID.
LINE M.L. 7.

DRAWN	R.R.S.
TRACED	
DATE	April '74
SCALE	1:5000
DRAWING No.	MLP 82

SCALE. 1:5000 METRES.

I.P. — Chargeability; Resistivity; 5 cm

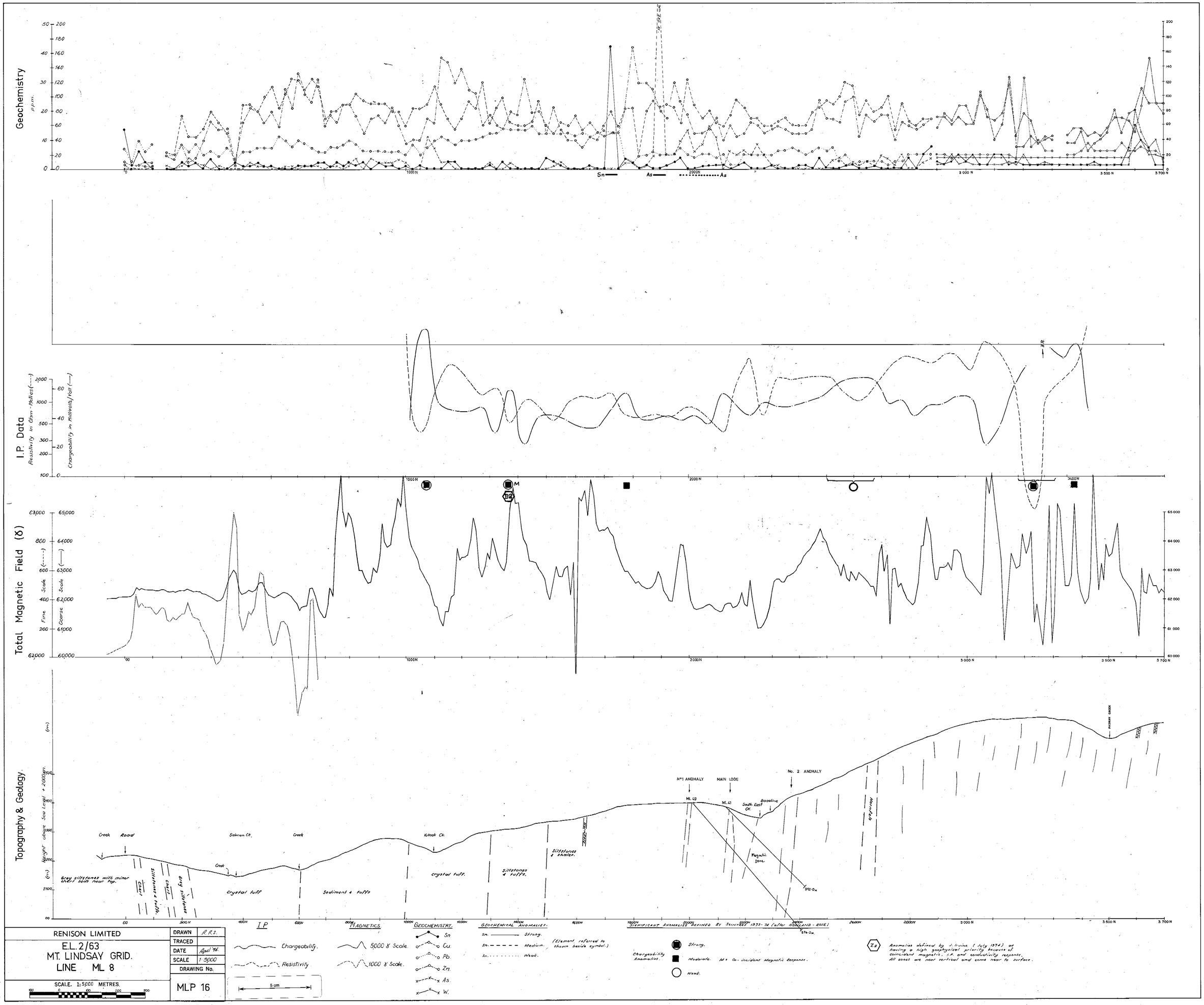
MAGNETICS — 5000 γ Scale; 1000 γ Scale

GEOCHEMISTRY — Sn, Cu, Pb, Zn, As, W

GEOCHEMICAL ANOMALIES — Sn. Strong; Sn. Medium; Sn. Weak. (Element referred to shown beside symbol.)

SIGNIFICANT ANOMALIES DEFINED BY 1972 - 73 (WITH HORIZON ROSE)

Chargeability Anomalies: Strong; Moderate; Weak. M.T. Conductive Magnetic Response.



RENISON LIMITED	DRAWN	R.R.S.
E.L. 2/63	TRACED	
MT. LINDSAY GRID.	DATE	April '76.
LINE ML 8	SCALE	1:5000
	DRAWING No.	
SCALE. 1:5000 METRES.	MLP 16	

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 8

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

75

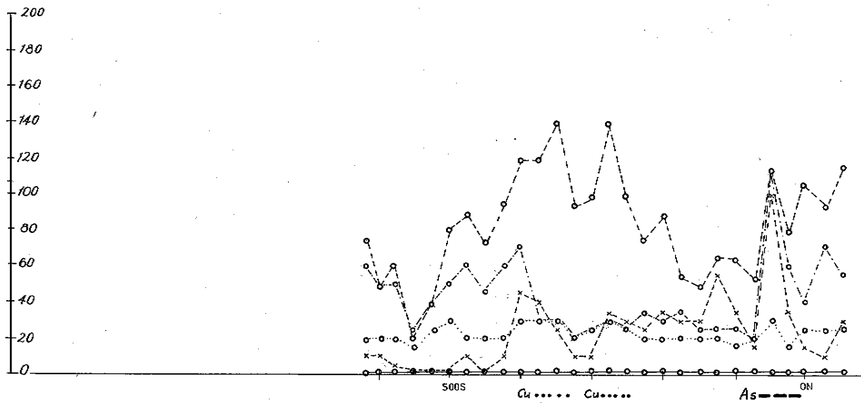
NORTH PIENMAN
MT. LINDSAY LINE PROFILE M.L.8.5
1:5000

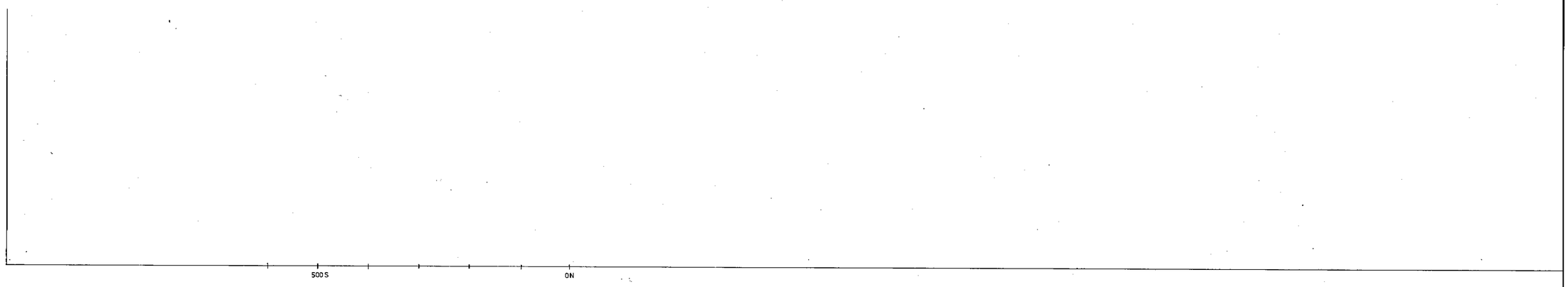
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

76

Geochemistry

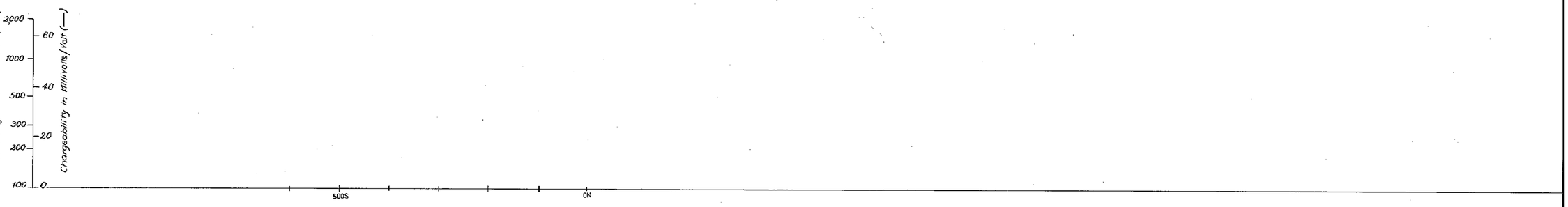
p.p.m.





I.P. Data

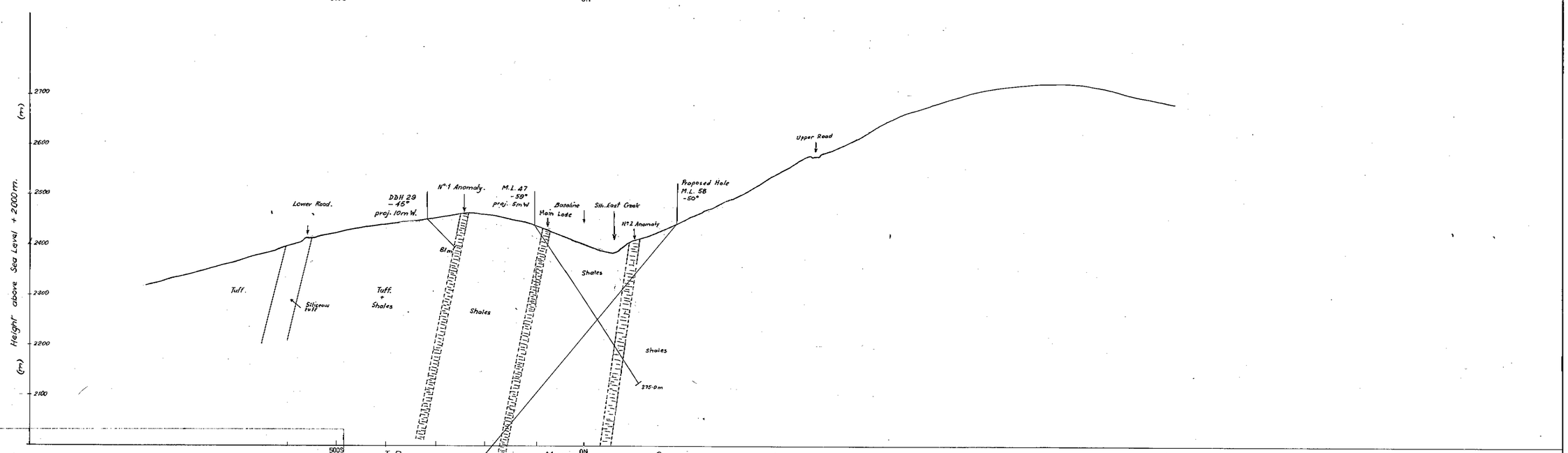
Resistivity in Ohm-Metres (----)
Chargeability in Millivolts/Volt (——)



Total Magnetic Field (δ)

Topography & Geology.

Height above Sea Level + 2000 m.



RENISON LIMITED

E.L. 2/63.
MT. LINDSAY GRID.
Proposed Drill Hole M.L.58 – Line ML 8·5

SCALE. 1:5,000 METRES.
100 0 100 200 300

DRAWN	L.A.M.
TRACED	J.M.M.
DATE	June '81
SCALE	1:5000.
DRAWING No.	MLP 89

I.P
Chargeability.
Resistivity.

MAGNETICS.
5000 γ Scale.
1000 γ Scale.

5 cm

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES
Sn. —— Strong.
Sn. - - - - - Medium.
Sn. ..... Weak.
(Element referred to shown beside symbol.)

Geochemistry

ppm.

I.P. Data

Resistivity in Ohm-Metres (---)

Chargeability in MilliVolts/Volt (—)

Total Magnetic Field (δ)

Topography & Geology.

Licence Boundary

Licence Boundary

E.L. 2/63

E.L. 18/73

RENISON LIMITED

E.L. 2/63

MT. LINDSAY GRID

LINE M.L.9

DRAWN

TRACED

DATE

SCALE 1/5000

DRAWING No. MLP 90

SCALE. 1:5000 METRES.

NORTH ELEMAN

MT. LINDSAY LINE PROFILE

1:5000 M.L.9

85 - 2425

Mt. Lindsay

(E.L. 2/63 & E.L. 18/73)

77

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

78

NORTH PIEMAN
MT. LINDSAY 1:5000
LINE PROFILE M.L.9.5

RENISON LIMITED

E.L. 2/63.
MT. LINDSAY GRID
LINE M.L.9.5.

SCALE. 1:5000 METRES 0 100 200 300

DRAWN	K.K.S.
TRACED	
DATE	May 1971
SCALE	1:5000
DRAWING No.	MLP 91

Topography & Geology.

Height above Sea Level + 2000 m.

(m) 2400 2300 2200 2100 2000 1900 1800 2100 (m)

CREEK

Siliceous Tuffs.

Qtz.

Chert

Projected 20m Wide Zone of Chert & Sulphides

DDH/8 -45°

LOWER ROAD

N°1 Anomaly

DRILL TRACK

Proposed Drill Hole M.L.9.5 (-45°)

Main Ore Zone Anomaly

BASELINE S.E. CREEK

N°2 Anomaly

UPPER ROAD

Chert & Sulphides

Tuffs.

Chert & Sulphides.

Tuffs.

I.P.

MAGNETICS

GEOCHEMISTRY

500S 400 300 200 100 0 100N 200 300 400 500N 600N 700N 800N

5 cm

Chargeability.

Resistivity

5000 γ Scale.

1000 γ Scale.

GEOCHEMICAL ANOMALIES:

Sn ——— Strong

Sn - - - - - Medium (Element referred to shown beside symbol)

Sn ..... Weak.

Sn

Cu.

Pb.

Zn.

As.

W.

Total Magnetic Field (δ)

Fine Scale (-----) 200 400 600 800

Coarse Scale (——) 61000 62000 63000 64000

62000 63000 60000 65000

500S 400 300 200 100 0 100N 200 300 400 500N 600N 700N 800N

I.P. Data

Resistivity in Ohm-Metres (----)

100 200 300 500 1000 2000

0 20 40 60

Chargeability in Millivolts/Volt (——)

Geochemistry

p.p.m.

0 20 40 60 80 100 120 140 160 180 200

500S 400 300 200 100 0 100N 200 300 400 500N 600N 700N 800N

Sn.....

As— — —

NORTH PIENAAR
MT. LINDSAY
1:5000

LINE PROFILE
M.L-10

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

79

Geochemistry
p.p.m.

LICENCE BOUNDARY

I.P. Data
Resistivity in Ohm - Metres (----)
Chargeability in Milliradians/Half (—)

1973 - 74 Survey

1974 - 75 Survey

C (in part)
M (in part)

Total Magnetic Field (δ)
Fine Scale (----)
Coarse Scale (—)

Topography & Geology
(m) Height above Sea Level + 2000m

E.L. 2/63
E.L. 18/73

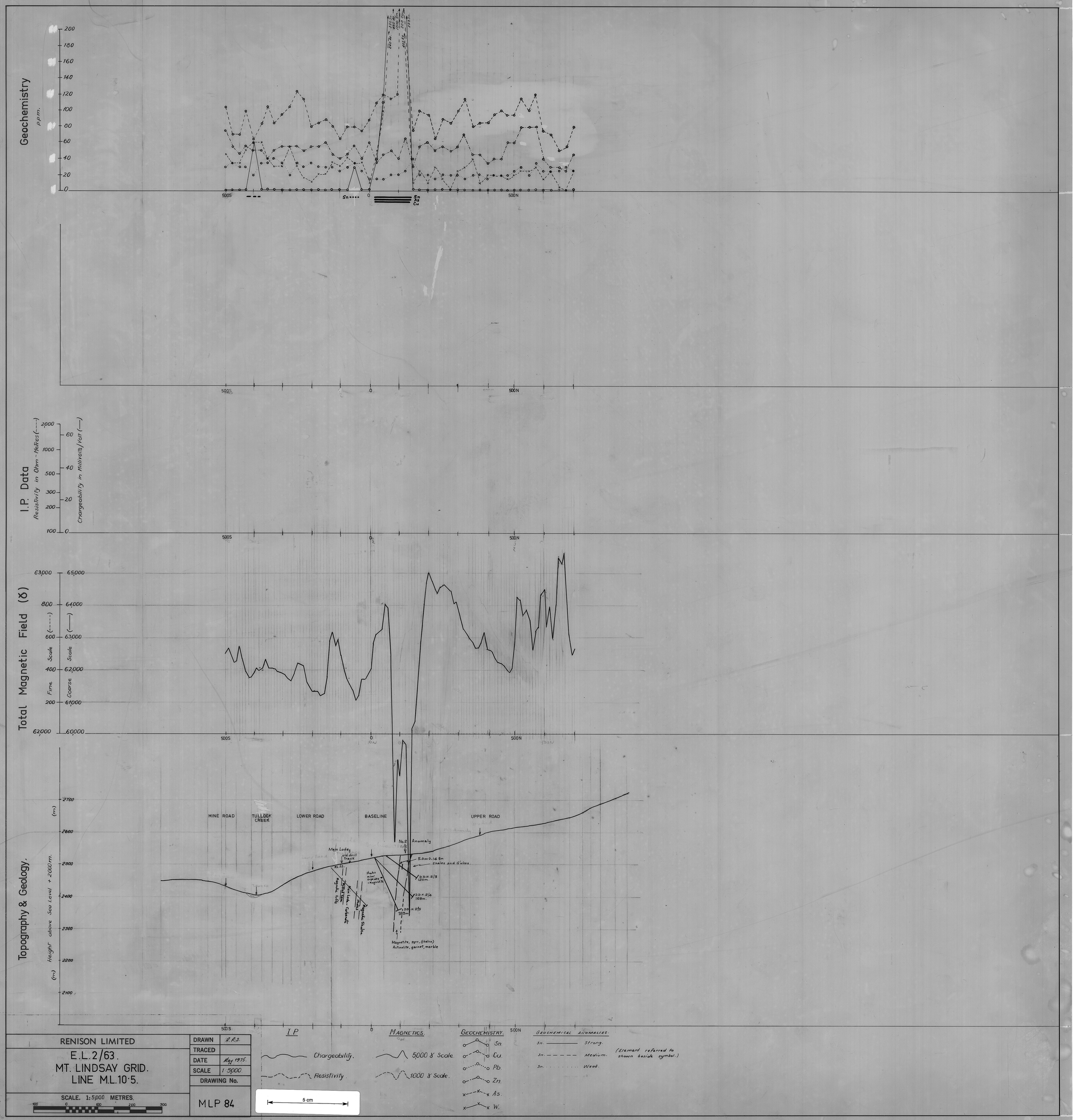
SALMON CREEK
CREEK
TWIN CREEKS ROAD
SALMON CREEK
CREEK
WALKING TRACK
ROAD
ROAD
CREEK
TULLOCK CREEK
LOWER ROAD
No. 1 Anomaly
MAIN LODE
BASELINE
No. 2 Anomaly
HARMAN ROAD

Quartzites & siltstones
Siltstones & shales
Crystal tuff
Hornfels
Chert
Hornfels
Crystal tuff
Hornfels
Crystal tuff
Hornfels
Siltstones & shales
Chert
Hornfels
Mt. Lindsay Tuff
Mt. Lindsay Tuff
Mt. Lindsay Tuff

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 10.5

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

80



RENISON LIMITED	DRAWN	R.R.S.
E.L. 2/63.	TRACED	
MT. LINDSAY GRID.	DATE	May 1975.
LINE M.L. 10·5.	SCALE	1:5000
SCALE. 1:5,000 METRES.	DRAWING No.	
	MLP 84	

NORTH PIGEMAN LINE PROFILE
MT. LINDSAY LINE ML 11
1:5000

85 - 2425
KEY LINE ML 11 (18/73)
(E.L. 18/73 & E.L. 2/63)

81

Geochemistry p.p.m.

M.I.P & E.I.P Data
Resistivity in Ohm. Metres (---)
Chargeability in Milliamps/Volt (—)

I.P. Data
Resistivity in Ohm. Metres (---)
Chargeability in Milliamps/Volt (—)

Total Magnetic Field (δ)
Fine Scale (----)
Coarse Scale (—)

LICENCE BOUNDARY

E.L. 18/73 E.L. 2/63

Topography & Geology.
Height above Sea Level x 2000 m.

SALMON CREEK
CREEK
CREEK
1BC Hand.
ROAD
ROAD
SALMON CREEK
WALKING TRACK
CREEK
ROAD
ROAD
Proposed Hole ML 60. (-90°)
No 4 ANOMALY
No 3 ANOMALY
CREEK
ROAD
TULLOCK CREEK
MAIN LODE
BASELINE
No 2 ANOMALY TULLOCK CREEK
Meredith Granite.
Siltstones & quartzites
Siltstones & shales
Crystal Tuff.
Crystal tuff
granite
350 m

RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID
LINE ML 11
PROPOSED HOLE ML 60

SCALE. 1:5000 METRES

DRAWN	R.R.S.
TRACED	
DATE	APRIL '76
SCALE	1:5000
DRAWING No.	MLP 15

I.P.
Chargeability.
Resistivity.
G = Gradient
M = Moving Source.

MAGNETICS.
5000 & Scale
1000 & Scale

GEOCHEMISTRY.
Sn
Cu
Pb
Zn
As
W.

GEOCHEMICAL ANOMALIES.
Sn. —— Strong.
Sn. – – – – Medium.
Sn. ..... Weak.
(Element referred to shown beside symbol.)

Chargeability Anomalies.
Strong.
Moderate. M = Co-incident Magnetic Response.
Weak.

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (refer Memorandum - Rept).

Z2 Anomalies defined by A. Irvine (July 1974) as having a high geophysical priority because of coincident magnetic, I.P. and conductivity response. All zones are near vertical and come near to surface.

5 cm

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

82

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 11.5

RENISON LIMITED

E.L. 2/63.
MT. LINDSAY GRID.
LINE M.L. 11.5.

SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	K.K.S.
TRACED	
DATE	May 1975
SCALE	1:5000
DRAWING No.	MLP 85

Topography & Geology.

Height above Sea Level + 2000 ft.

(ft) 2100 2200 2300 2400 2500 2600 2700 (ft)

Total Magnetic Field (δ)

Fine Scale (-----) 200 400 600 800
Coarse Scale (——) 61000 62000 63000 64000

60000 61000 62000 63000 64000 65000

I.P. Data

Resistivity in Ohm-Metres (----)
100 200 300 500 1000 2000
0 20 40 80
Chargeability in Millivolts/Volt (——)

Geochemistry

p.p.m.
0 20 40 60 80 100 120 140 160 180 200

Sn.... Sn Cu As ..... Sn Cu . As

275 Sn.
275 Cu.
325 Sn.
225 As.
330 As.
750 Pb.
820 Cu.
810 Sn.
300 Cu.

1400S 1300S 1200S 1100S 1000S 900S 800S 700S 600S 500S 400S 300S 200S 100S 0N 100N 200N 300N 400N

I.P. Chargeability. Resistivity.
MAGNETICS 5000 γ Scale 1000 γ Scale.
GEOCHEMISTRY Sn. Cu. Pb. Zn. As. W.

GEOCHEMICAL ANOMALIES:
Sn ——— Strong
Sn - - - - - Medium (Element referred to shown beside symbol)
Sn ..... Weak

5 cm

CREEK
MINE ROAD
TULLOCK CK.
BASELINE
TULLOCK CK
MINE ROAD CREEK
No 4 Anomaly
No 3 Anomaly
No 2 Anomaly
Chert & Sulphides
Tuffs
Chert
Hematite - chlorite rock
Hematite & chert
Mineral Oper Cut.
Outcrop
Old Shaft
Adit
Trench
Diamond Drill Hole
Collar Elev. 2325'
Azimuth 270°
Dip -45°
Length 200'
Elev. 2325'
Azimuth 270°
Dip -45°
Length 200'
(Terminated in Tuffs)

NORTH PIEMAN
MT. LINDSAY
1:5000
LINE ROCKLE
ML.12

83

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

Geochemistry
p.p.m.
Sn
As
Au
Ag
Cu
Mo
Pb
Zn
WO3
NiO

M.I.P. & E.I.P. Data
Resistivity in Ohm Metres (---)
Chargeability in Milliwatts/Vol (—)
M

I.P. Data
Resistivity in Ohm Metres (---)
Chargeability in Millivolts/Volt (—)
n=2
1973 - 74 Survey
1974 - 75 Survey + 25 m

M.I.P.

	M_1	M_2	M_3	M_4	M_5	M_6
2125	-28	-36	-50	-59	-100+	-100+
2100	-18	-23	-29	-35	-40	-43
2075	-8	-11	-15	-16.5	-19	-21
2050	-3	-7.5	-9.0	-10.5	-10.5	-10.5

Total Magnetic Field (γ)
Fine Scale (——)
Coarse Scale (— —)

LICENCE BOUNDARY

E.L. 2/63
E.L. 18/73

Topography & Geology.
Height above Sea Level + 2000 m. (m)
Salmon Ck.
Creek
Road
Quartzites & siltstones
Siltstones & shales with minor black cherty chert beds towards top.
Crystal tuff
Hornfels
Granite
No. 4 Anomaly
No. 3 Anomaly
Main Lode
Baseline
No. 2 Anomaly
ML.35
9m 0-26.5%
Projected 70m NW. onto section. Bearing

RENISON LIMITED
E.L. 18/73
MT. LINDSAY GRID.
LINE ML 12
SCALE 1:5000 METRES

DRAWN	R.R.S.
TRACED	
DATE	APRIL '76
SCALE	1:5000
DRAWING No.	MLP 14

I.P.
Chargeability
Resistivity
G - Gradient.
M - Moving Source.

Magnetics
5000 γ Scale.
1000 γ Scale.

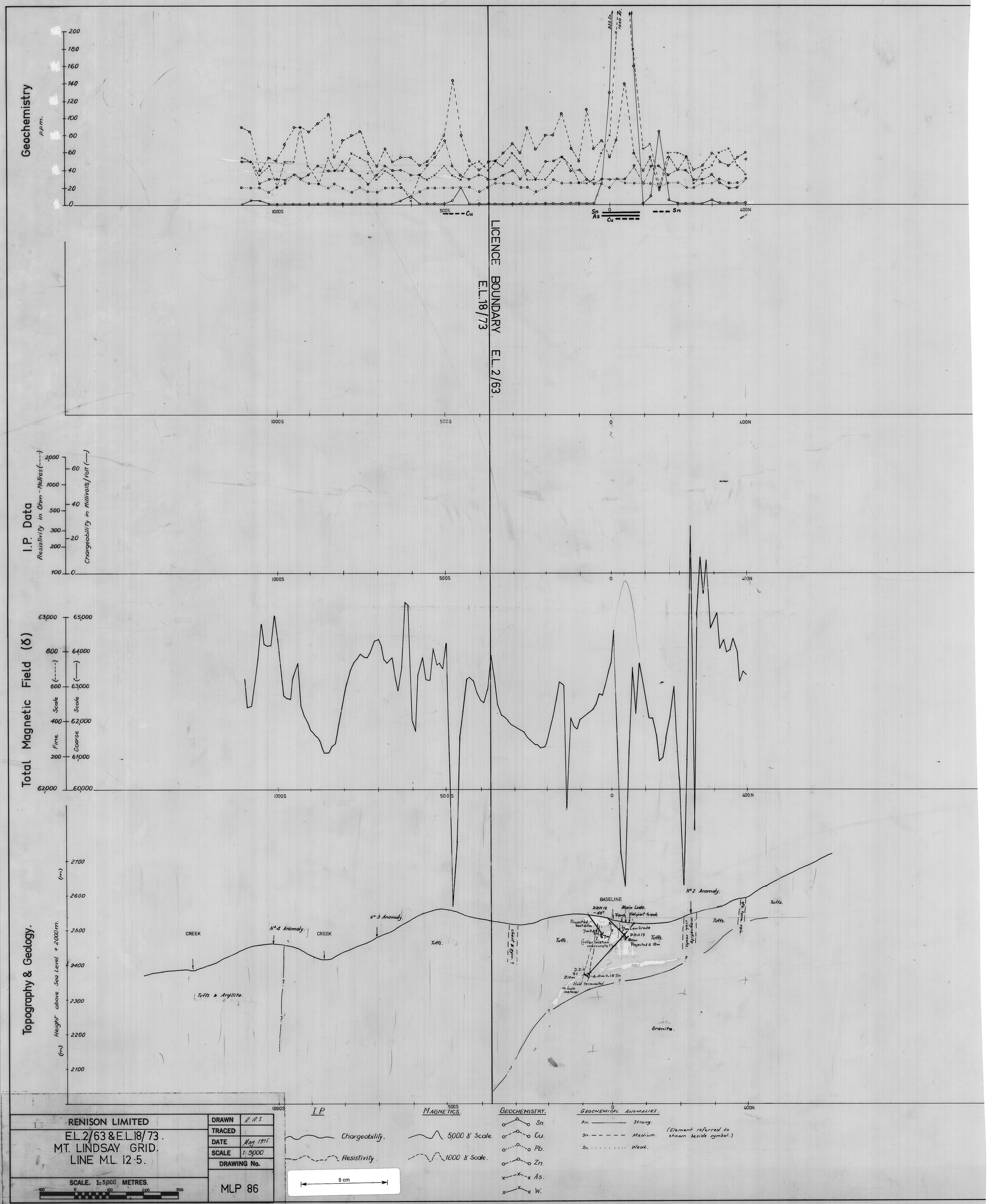
Geochemistry
Sn.
Cu.
Pb.
Zn.
As.
W.

Geochemical Anomalies
Sn. —— Strong.
Sn. - - - - Medium. (Element referred to shown beside symbol.)
Sn. ..... Weak.

Significant Anomalies defined by Sintrex 1973-74 (upon Howland-Roe)
Chargeability Anomalies:
Strong.
Moderate. Mostly Co-incident Magnetic Response.
Weak.

Significant Anomalies defined by Sintrex 1974-75 (upon Howland-Roe)
Chargeability Anomalies:
Strong.
Moderate. Mostly Co-incident Magnetic Response.
Weak.
Conductivity { S Strong; c Moderate; (c) Weak

Z1 Anomalies defined by J. Irvine (July 1974) as having a high geophysical priority because of coincident magnetic, I.P. and conductivity response. All zones are near vertical and come near to surface.



RENISON LIMITED	DRAWN	R.R.S.
E.L.2/63 & E.L.18/73. MT. LINDSAY GRID. LINE M.L. 12·5.	TRACED	
	DATE	May 1975.
	SCALE	1:5000
SCALE. 1:5000 METRES.	DRAWING No.	MLP 86

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 12·5

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
84

NORTH PIGMAN
MT. LINDSAY
1:5000
LINE PEGGILE
M.L. 13

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

85

Geochemistry
p.p.m.

M.I.P. & E.I.P. Data
Resistivity in Ohm-Metres (——)
Chargeability in MilliVolts/Volt (——)
a=50m. (1973-74 Survey)
a=12.5 (1974-75 Survey)

I.P. Data
Resistivity in Ohm-Metres (----)
Chargeability in MilliVolts/Volt (——)

Total Magnetic Field (δ)
Fine Scale (-----)
Coarse Scale (——)

Topography & Geology.
Height above Sea Level + 2000 m. (m)

LICENCE BOUNDARY
E.L. 2/63
E.L. 18/73

MAIN LODE
BASELINE
No. 2 ANOMALY
No. 3 ANOMALY
No. 4 ANOMALY
H.E.C. ROAD
CREEK
ROAD
SALMON CREEK
M.L.34.
M.L.53
Siltstones & shales with minor black oolitic cherts near top.
Shales
Granite.

There appears To be several mineralised zones present in these holes. Several legs are missing.

D.D.H.8
D.D.H.9
D.D.H.11
D.D.H.10 (no log of this hole is available)
D.D.H.30

RENISON LIMITED
E.L.18/73
MT. LINDSAY GRID.
LINE M.L.13

DRAWN	R.R.S.
TRACED	F.A.C.
DATE	MAY '74.
SCALE	1:5000.
DRAWING No.	MLP 87

SCALE. 1:5,000 METRES.

I.P
Chargeability.
Resistivity.
5 cm

MAGNETICS.
5000 γ Scale.
1000 γ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES.
Sn. ——— Strong.
Sn. - - - - - Medium.
Sn. ..... Weak.
(Element referred to shown beside symbol.)

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE.)

Chargeability Anomalies.
Strong.
Moderate.
Weak.
M = Co-incident Magnetic Response.

Z1 Anomalies defined by J. Irvine (July 1974) as having a high geophysical priority because of coincident magnetic, I.P. and conductivity response. All zones are near vertical and come near to surface.

Geochemistry

P.P.M.

Soil pH

'A' Horizon ——— 'B' Horizon x - - - x

5·8
5·6
5·4
5·2
5·0

100 S 00 100 N

'B' Horizon

o - - - o % TiO_2 x - - - x % CaO - - - - % MgO

5·0
4·0
3·0
2·0
1·0

100 S 00 100 N

o - - - o % $SiO_2 \times 0{\cdot}5$ x - - - x % Fe_2O_3 - - - - % Al_2O_3

26
24
22
20
18
16

100 S 00 100 N

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2700
2650
2600
2550
2500
2450
2400
2350
2300
2250

D.D.H. 5
Collar projected
15 metres west

Western Adit

Weathered sulphide and gossan

D.D.H. 2/6
Collar projected
30 metres west

Crystal Tuffs

?

300 S 200 S 100 S 00 100 N 200 N

5 cm

I.P. DATA
Chargeability
Resistivity

MAGNETICS
5000 γ Scale
1000 γ Scale

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

RENISON LIMITED

E.L. 2 / 63
MT. LINDSAY GRID
LINE M.L.13·5

GEOLOGIST : C. Cannard
DRAUGHTSMAN :
DATE : June 1981
REVISIONS :

SCALE 1:1000 METRES
20 0 20 40

DRAWING No.

NORTH PLOTTING
LINE PROFILE
M.L.13·5
SHOWING RESULTS OF
MASSE ELEMENT
GEOCHEM. SURVEY

MT. LINDSAY
1:1000

98

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

NORTH PIGMAN
MT. LINDSAY
1:5000

LINE PROFILE
M.L. 13.5

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

87

Geochemistry

p.p.m.

200 180 160 140 120 100 80 60 40 20 0

1000S Cu 500S Sn Sn Sn As 0 350N

LICENCE BOUNDARY E.L.2/63

E.L. 18/73.

1000S 500S 0 350N

I.P. Data

Resistivity in Ohm-Metres (----)

Chargeability in Millivolts/Volt (—)

2000 1000 500 300 200 100

60 40 20 0

1050S 1000S 500S 0 350N

Total Magnetic Field (δ)

63,000 800 600 400 200 62,000

(----) Fine Scale

(—) Coarse Scale

65,000 64,000 63,000 62,000 61,000 60,000

1050S 1000S 500S 0 350N

Topography & Geology.

Height above Sea Level + 2000 m.

(m) 2700 2600 2500 2400 2300 2200 2100 (m)

CREEK

N°.4 Anomaly.

N°.3 Anomaly.

BASELINE

Main Lode.

DDH 6 -45°

collar projected 15m W.

Trench 10m West of line.

Western Adit

2500

Crystal Tuffs.

Granite.

N°.2 Anomaly.

Collar projected 30m W.

DDH 2 (E+217) -46° - 36°

1050S 1000S 500S 0 350N

RENISON LIMITED

E.L. 2/63 & E.L. 18/73

MT. LINDSAY GRID.

LINE M.L. 13·5.

SCALE. 1:5000 METRES.

100 0 100 200 300

DRAWN	A.R.S.
TRACED	
DATE	May 1975.
SCALE	1:5000.
DRAWING No.	MLP 88

I.P

Chargeability.

Resistivity.

5 cm

MAGNETICS.

5000 γ Scale.

1000 γ Scale.

GEOCHEMISTRY.

Sn. Cu. Pb. Zn. As. W.

GEOCHEMICAL ANOMALIES.

Sn. ———— Strong.

Sn. — — — — Medium.

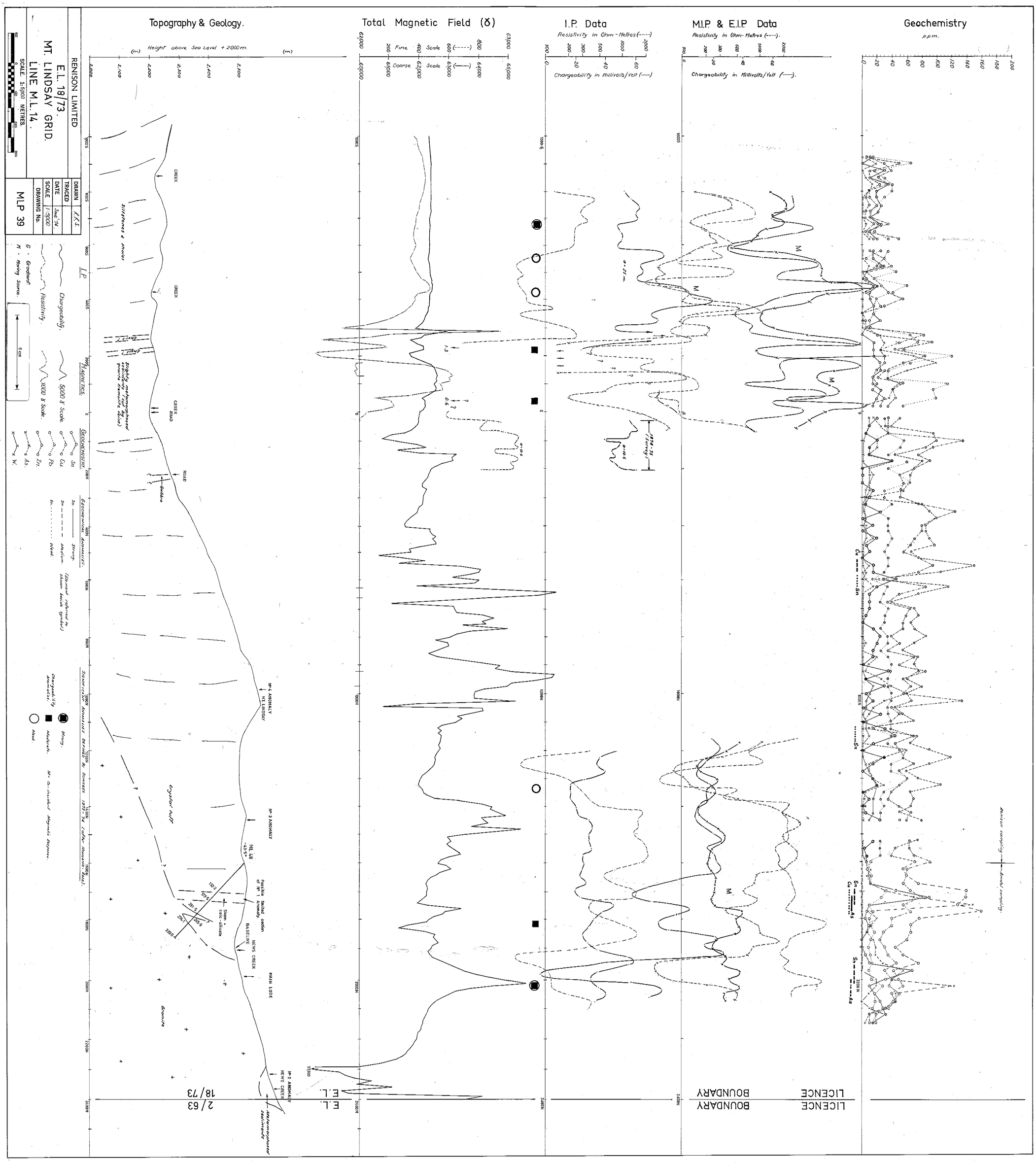
Sn. . . . . Weak.

(Element referred to shown beside symbol.)

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

88

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 14



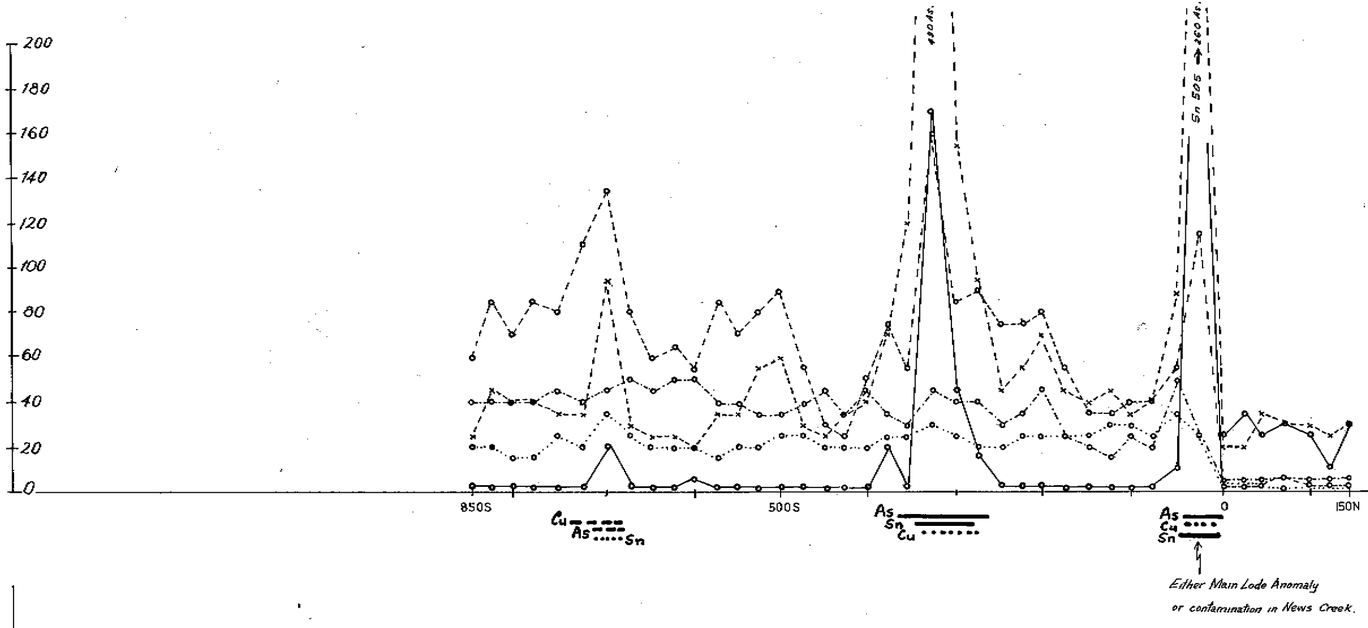
NORTH PIENAAR
MT. LINDSAY LINE PROFILE
1:5000 M.L. 14.5

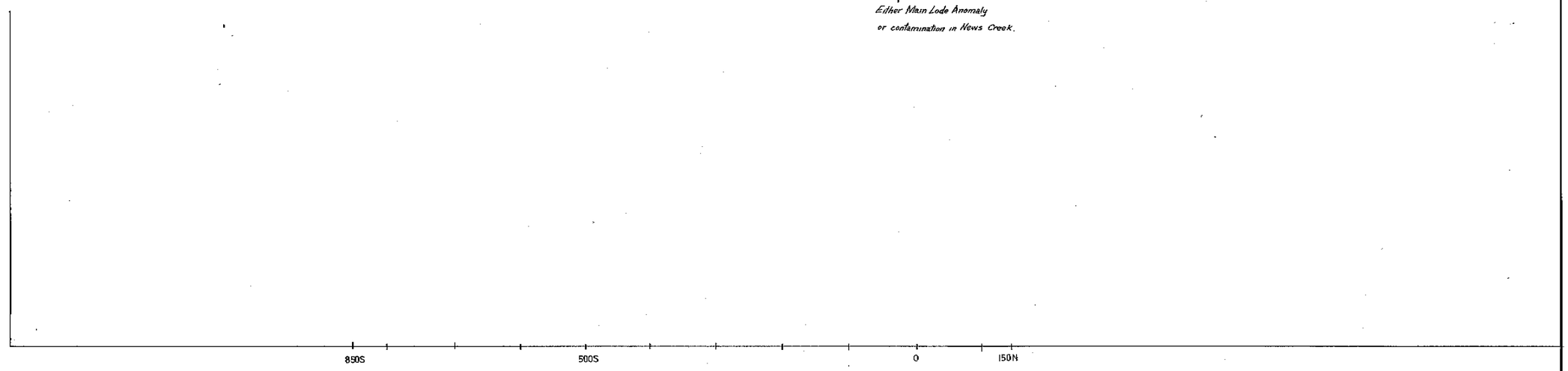
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

89

Geochemistry

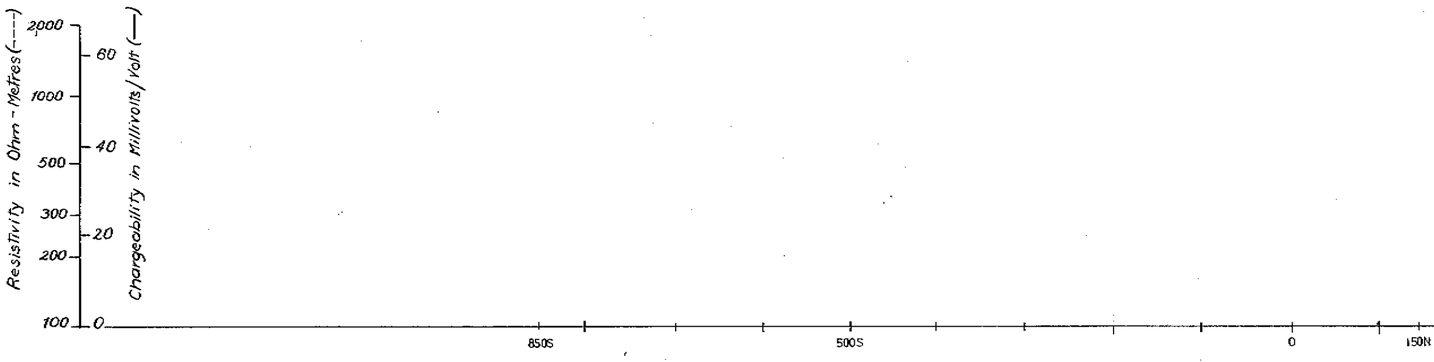
p.p.m.



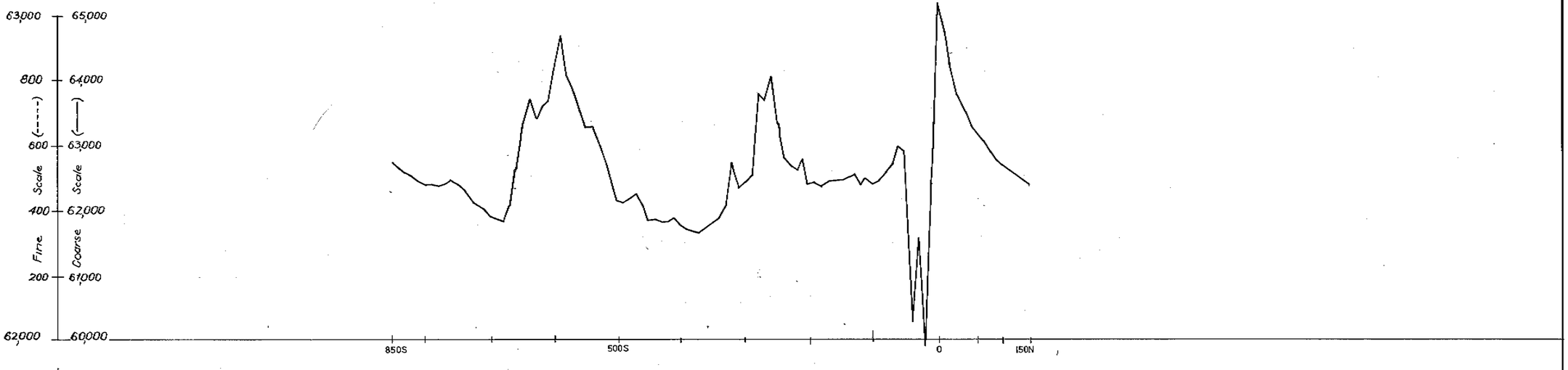


I.P. Data

Resistivity in Ohm-Metres (----)
Chargeability in Millivolts/Volt (—)



Total Magnetic Field (δ)



Topography & Geology.

RENISON LIMITED

E.L.18/73.
MT. LINDSAY GRID.
LINE M.L.14·5.

SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	A.R.S.
TRACED	
DATE	May 1975.
SCALE	1:5000.
DRAWING No.	MLP 95

I.P
Chargeability.
Resistivity.
5 cm

MAGNETICS.
5000 γ Scale.
1000 γ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

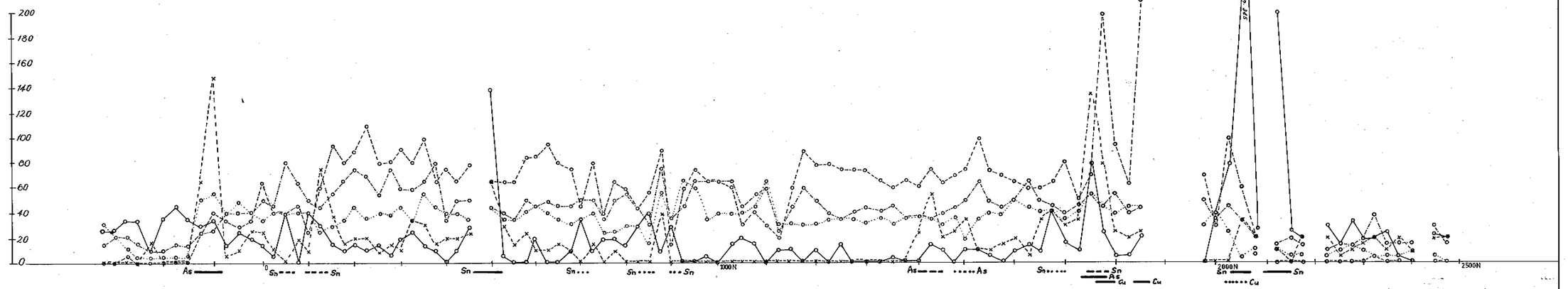
GEOCHEMICAL ANOMALIES.
Sn. ——— Strong.
Sn. – – – – Medium.
Sn. . . . . Weak.
(Element referred to shown beside symbol)

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 15

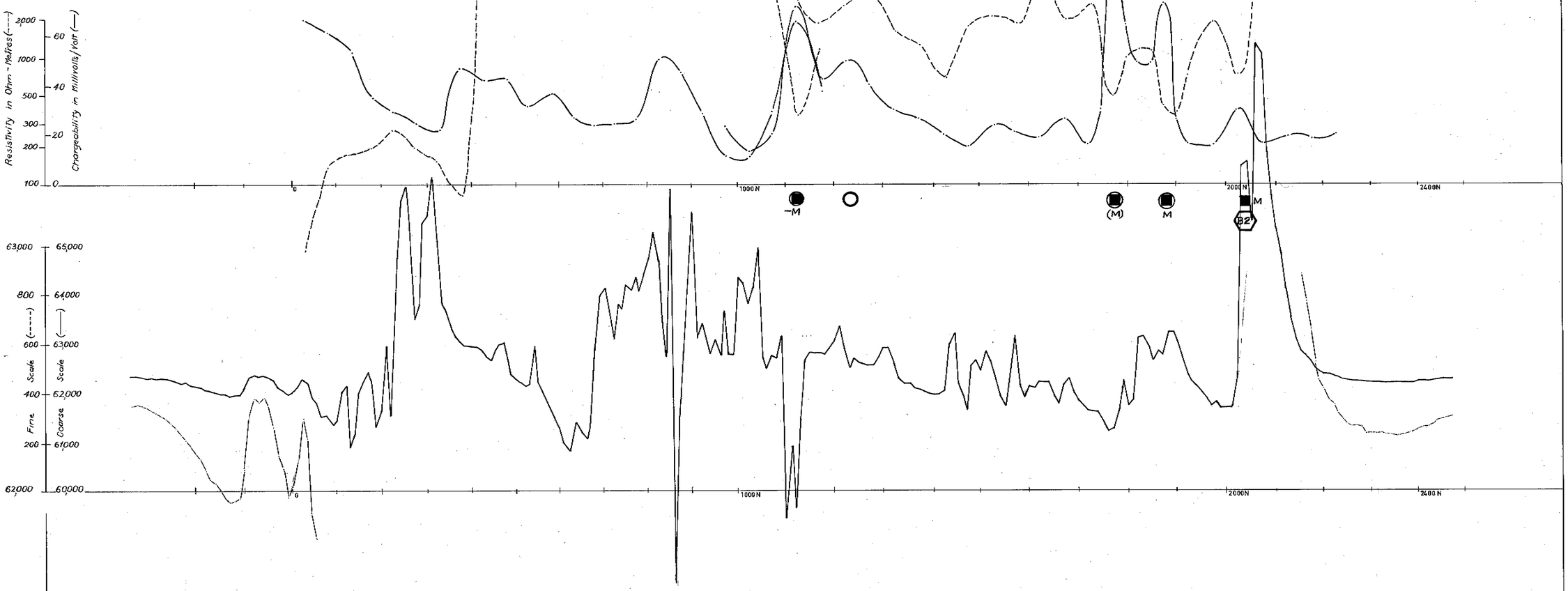
90

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

Geochemistry
p.p.m.

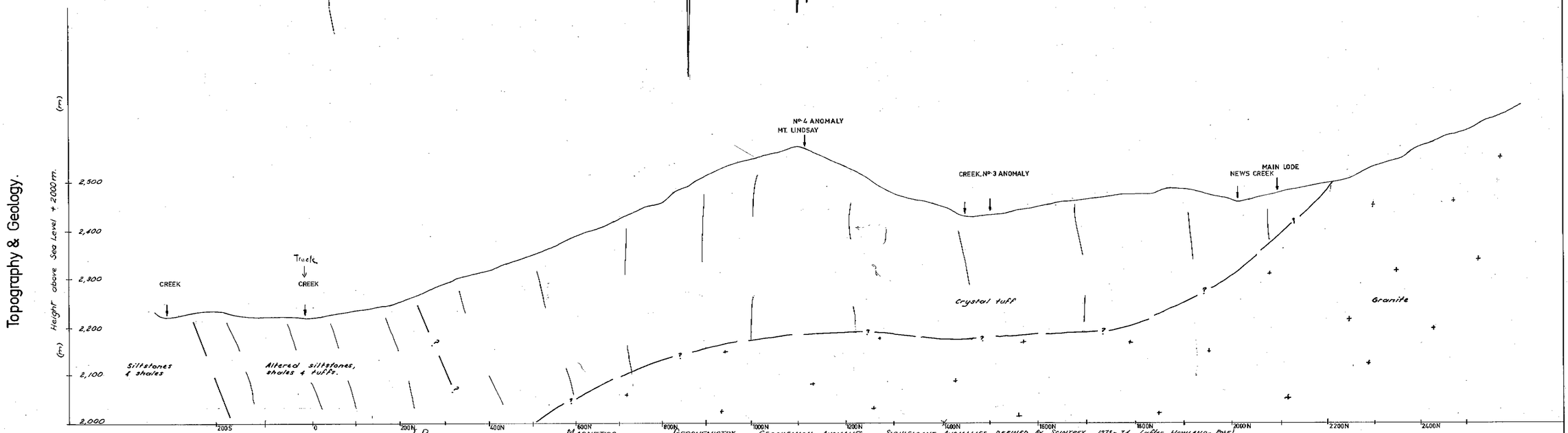


I.P. Data
Resistivity in Ohm-Metres (---)
Chargeability in Millivolts/Volt (—)



Total Magnetic Field (δ)

Topography & Geology.



RENISON LIMITED	
E.L. 18/73	
MT. LINDSAY GRID	
LINE M.L.15	
SCALE. 1:5000 METRES.	
100 0 100 200 300	

DRAWN	R.R.S.
TRACED	
DATE	MAY '74
SCALE	1:5000
DRAWING No.	
	MLP 96

I.P.
Chargeability.
Resistivity.
5 cm

MAGNETICS.
5,000 γ Scale.
1000 γ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.
(Element referred to shown beside symbol.)

GEOCHEMICAL ANOMALIES.
Sn. ——— Strong.
Sn. – – – – Medium.
Sn. · · · · · · · · Weak.

SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE).
Chargeability Anomalies.
Strong.
Moderate.
Weak.
M= Co-incident Magnetic Response.

Z2 Anomalies defined by J. Irvine (July 1974) as having a high geophysical priority because of coincident magnetic, I.P. and conductivity response. All zones are near vertical and come near to surface.

NORTH PIGEMAN LINE PROFILE
MT. LINDSAY M.L. 16
1:5000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

Q1

Geochemistry

p.p.m.

50 200
180
40 160
140
30 120
100
20 80
60
10 40
20
0 0

Sn ---- Sn ···· Sn 0 ···· Sn ···· Sn 1000N ···· Sn 2000N ···· Sn ····· Sn 2500N

Sn
As
Cu

I.P. Data

Resistivity in Ohm-Metres (----)
Chargeability in MilliVolts/Volt (——)

2000 60
1000
500 40
300
200 20
100 0

Total Magnetic Field (δ)

C3000 65,000
800 64000
600 63000
Fine Scale (----)
Coarse Scale (——)
400 62000
200 61000
62000 60000

800S 0 1000N 2000N 2400N

55846.

Topography & Geology.

Height above Sea Level + 2000 m. (m)

2500 (m)
2400
2300
2200
2100
2000

CREEK CREEK CREEK CREEK ROAD TRACK WALKING TRACK

Hec quarry (hornfels + epidote - py veins)

MT. LINDSAY No 4 ANOMALY
No. 3 ANOMALY. CREEK
No. 1 ANOMALY
NEWS CREEK BASELINE
MAIN LODE (?)

Siltstones & shales
Chert
Grey - brown siltstones & tuffs.
crystal tuffs
crystal tuff
Siltstones
Crystal tuff
Granite

800S 600S 400S 200S 0 200N 400N 600N 800N 1000N 1200N 1400N 1600N 1800N 2000N 2200N 2400N

I.P.
Chargeability.
Resistivity.

MAGNETICS.
5000 δ Scale.
1000 δ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES.
Sn. ——— Strong.
Sn. - - - - - Medium. (Element referred to shown beside symbol.)
Sn. ..... Weak.

5 cm

RENISON LIMITED	DRAWN R.R.S.
E.L. 18/73 MT. LINDSAY GRID. LINE M.L. 16.	TRACED
	DATE MAY '74.
	SCALE 1:5000.
SCALE. 1:5000 METRES. 100 0 100 200 300	DRAWING No. MLP 97

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 17

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

912

Geochemistry
ppm.
200
180
160
140
120
100
80
60
40
20
0
1500S
1000S
As
Zn
Sn
1000N
2000N

I.P. Data
Resistivity in Ohm-Metres (----)
Chargeability in millivolts/volt (—)
2000
1000
500
300
200
100
60
40
20
0
1000S
0
1000N
2000N
M

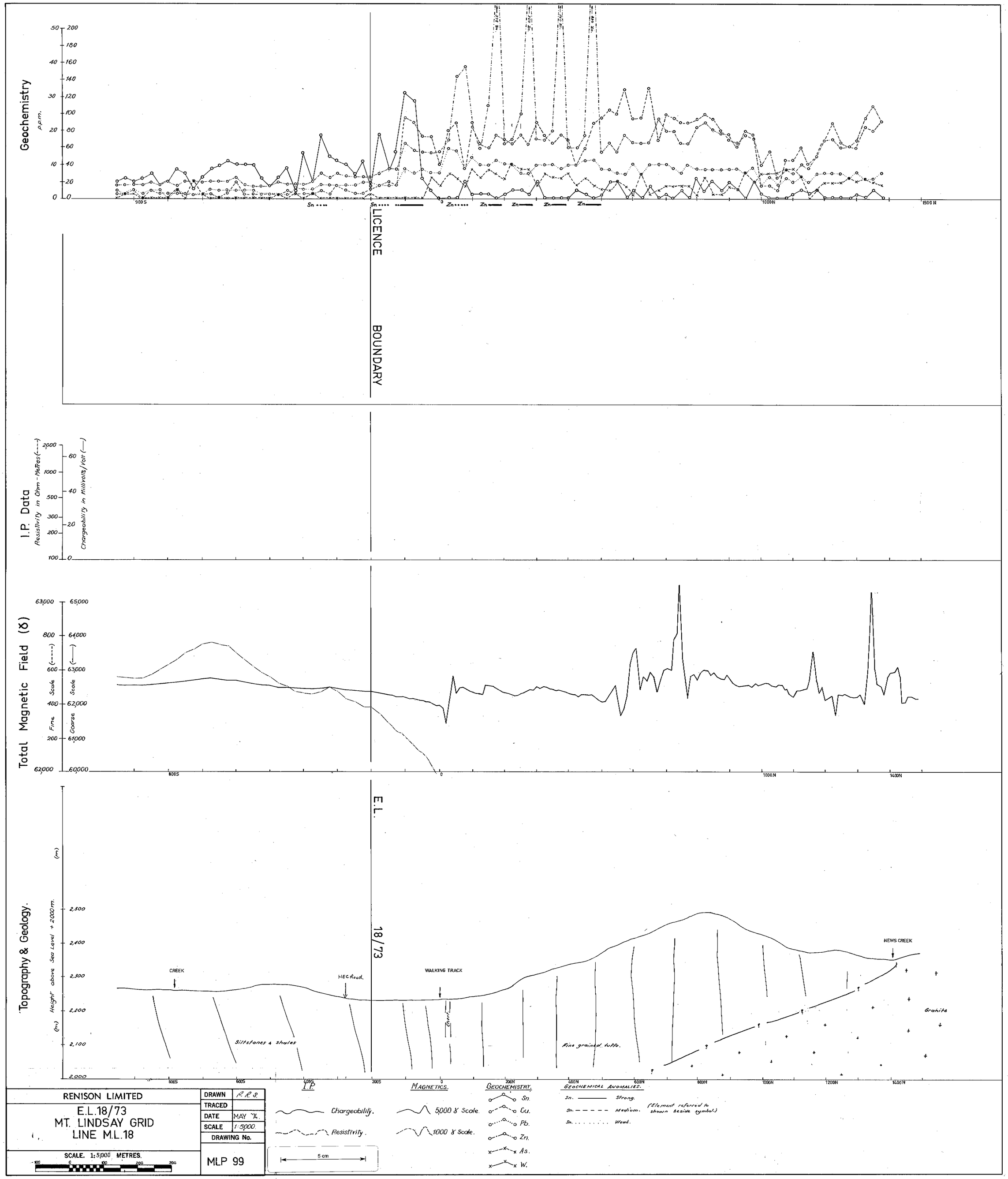
Total Magnetic Field (δ)
63,000
64,000
800
600
400
200
62,000
61,000
60,000
Fine Scale (----)
Coarse Scale (—)
1600S
1000S
0
1000N
2000N

Topography & Geology.
Height above Sea Level + 2000m. (m)
2,500
2,400
2,300
2,200
2,100
2,000
CREEK
CREEK
CREEK
WALKING TRACK
CREEK
NEWS CREEK
ML 56
Alluvium
Siltstones & quartzites
Siltstones & shales
Quartzites
Carbonate
Conglomerate
Fine grained tuffs.
Granite
1400S
1200S
1000S
800S
600S
400S
200S
0
200N
400N
600N
800N
1000N
1200N
1400N
1600N
1800N
2000N

I.P.
Chargeability.
Resistivity.
5 cm
MAGNETICS.
5000 γ Scale.
1000 γ Scale.
GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.
GEOCHEMICAL ANOMALIES.
Sn. Strong.
Sn. Medium.
Sn. Weak.
(Element referred to shown beside symbol.)
SIGNIFICANT ANOMALIES DEFINED BY SCINTREX 1973-74 (after HOWLAND-ROSE).
Chargeability Anomalies:
Strong.
Moderate. M= Co-incident Magnetic Response.
Weak.

RENISON LIMITED
E.L. 18/73
MT. LINDSAY GRID
M.L. LINE 17.
SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	R.R.S.
TRACED	
DATE	MAY '74.
SCALE	1:5000
DRAWING No.	MLP 98



RENISON LIMITED	DRAWN	R.R.S.
E.L.18/73	TRACED	
MT. LINDSAY GRID	DATE	MAY '74.
LINE M.L.18	SCALE	1:5000.
	DRAWING No.	
SCALE. 1:5000 METRES.	MLP 99	

NORTH PIEMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 18

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

93

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:5000 M.L. 19

94

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

LICENCE BOUNDARY

E.L. 18/73

Geochemistry ppm.

50 200 180 40 160 140 30 120 100 20 80 60 10 40 20 0 0

500 S 0 1000 N Sn 1500 N

Possible granite background or contamination by News Creek.

I.P. Data

Resistivity in Ohm-Metres (----) Chargeability in Millivolts/Volt (——)

2000 60 1000 500 40 300 200 20 100 0

0 1000 N

Total Magnetic Field (δ)

63,000 65,000 800 64,000 600 63,000 (----) Scale 400 62,000 Fine 200 61,000 62,000 60,000 (——) Scale Coarse

400 S 0 1000 N 1400 N

Topography & Geology.

(m) Height above Sea Level + 2000 m. (m)

2,500 2,400 2,300 2,200 2,100 2,000

HEC Road. WALKING TRACK NEWS CREEK

Siltstones & shales Crystal tuff. Granite

400 S 200 S 0 200 N 400 N 600 N 800 N 1000 N 1200 N 1400 N

I.P. Chargeability. Resistivity.

MAGNETICS. 5000 γ Scale. 1000 γ Scale.

GEOCHEMISTRY. Sn. Cu. Pb. Zn. As. W.

GEOCHEMICAL ANOMALIES. Sn. —— Strong. Sn. - - - - Medium. Sn. ..... Weak. (Element referred to shown beside symbol.)

5 cm

RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID
LINE M.L. 19

SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	R.R.S.
TRACED	
DATE	MAY '74.
SCALE	1:5000.
DRAWING No.	MLP 100

PIGMAN
LINE PROFILE
M.L-20

NORTH PROPERTY
MT. LINDSAY
1:5000

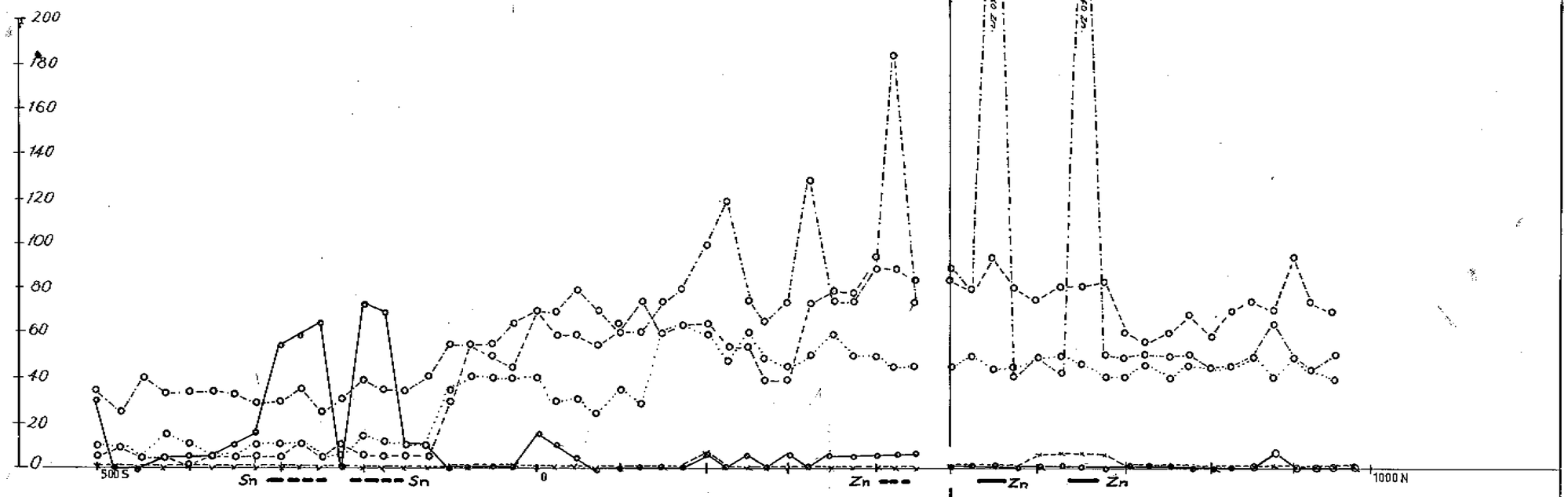
95

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

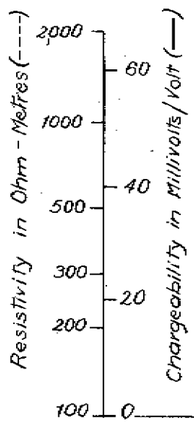
LICENCE BOUNDARY

E.L. 18/73

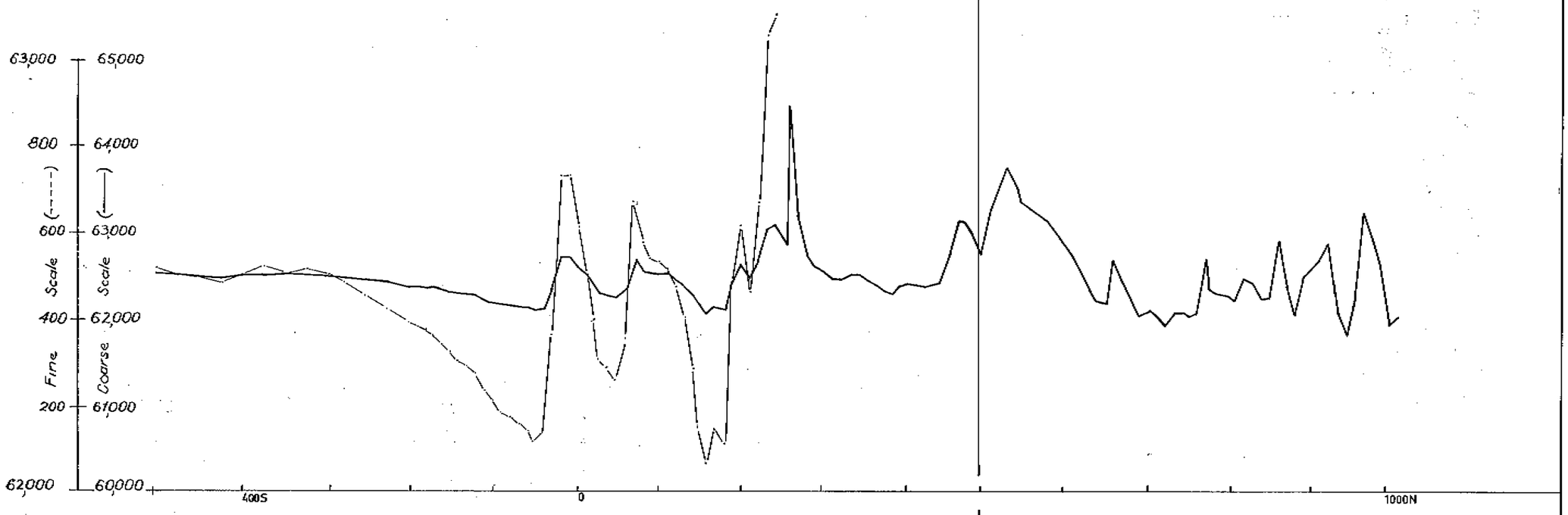
Geochemistry
p.p.m.



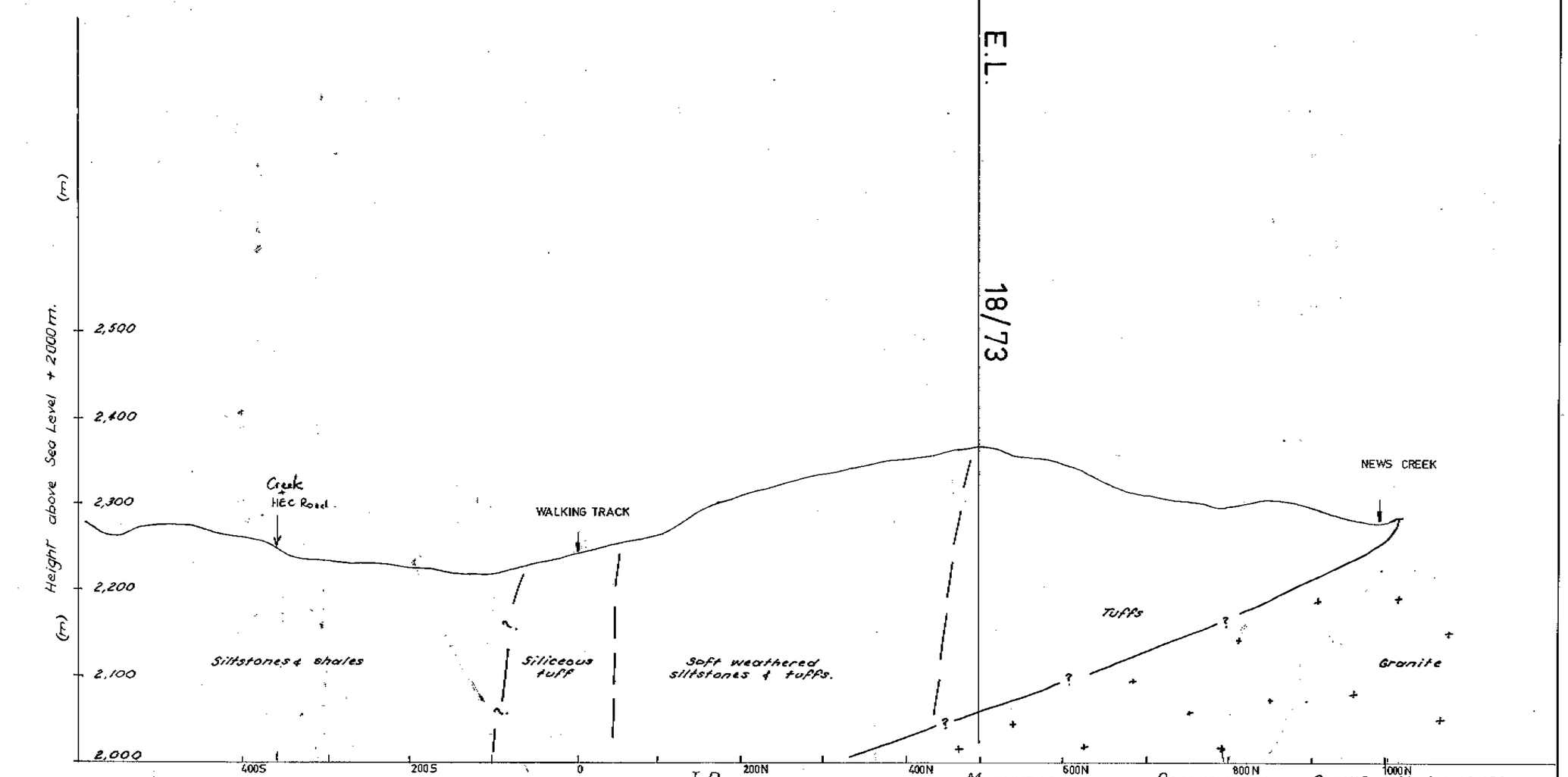
I.P. Data
Resistivity in Ohm - Metres (---)
Chargeability in Millivolts/Volt (—)



Total Magnetic Field (γ)



Topography & Geology.



I.P.
Chargeability.
Resistivity.

MAGNETICS.
5000 γ Scale.
1000 γ Scale.

GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

GEOCHEMICAL ANOMALIES.
Sn. —— Strong.
Sn. - - - - Medium.
Sn..... Weak.
(Element referred to shown beside symbol.)

5 cm

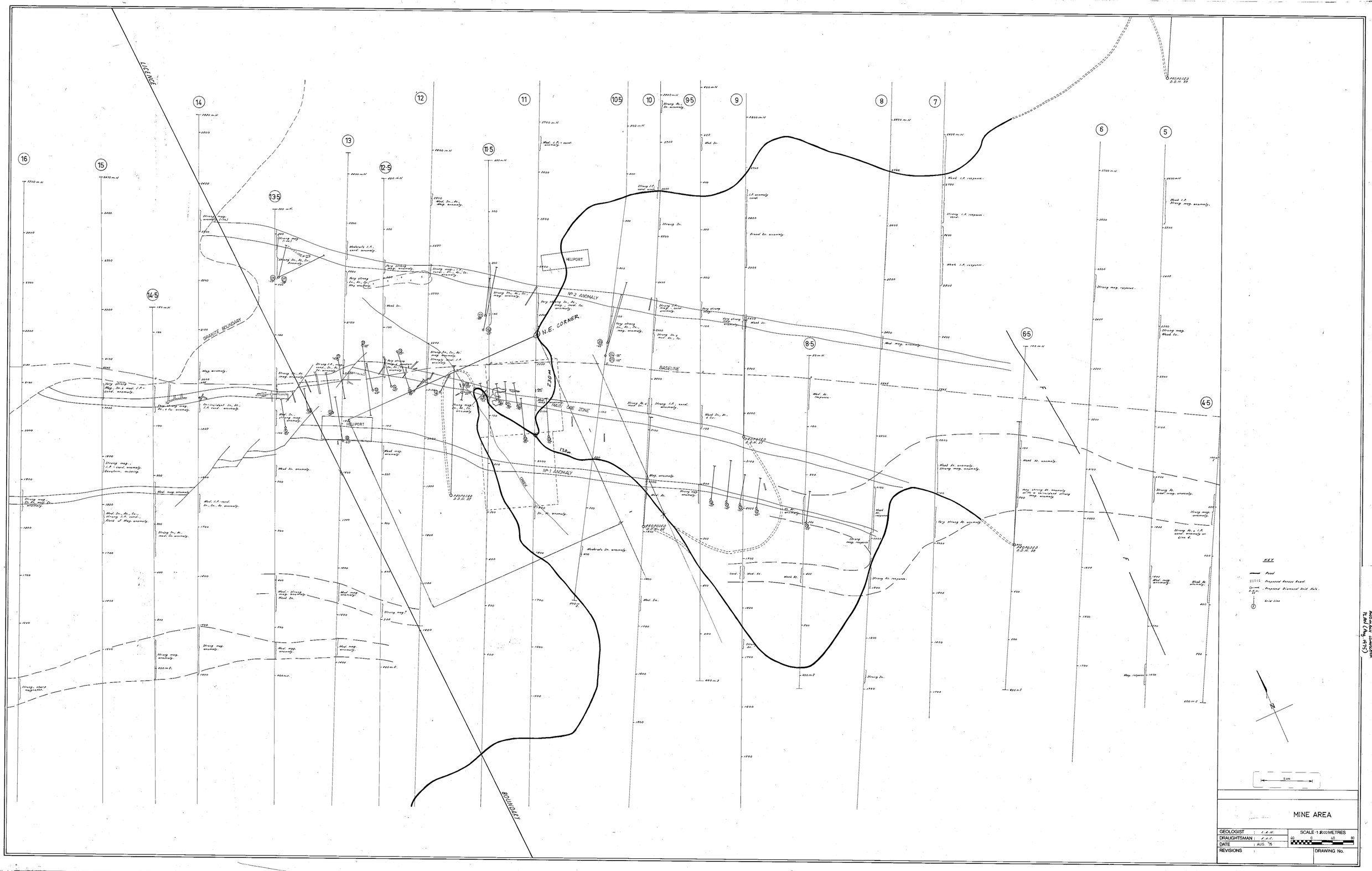
RENISON LIMITED

E.L. 18/73
MT. LINDSAY GRID
M.L. LINE 20

SCALE. 1:5000 METRES.
100 0 100 200 300

DRAWN	R.R.S
TRACED	
DATE	MAY '74
SCALE	1:5000.
DRAWING No.	

MLP 101


LICENCE
GRANITE BOUNDARY
HELIPORT
HELIPORT
Nº 2 ANOMALY
Nº 1 ANOMALY
N.E. CORNER
BASELINE
MAIN ORE ZONE
230m
130m
BOUNDARY
PROPOSED D.D.H. 39
PROPOSED D.D.H. 37
PROPOSED D.D.H. 35
PROPOSED D.D.H. 36
PROPOSED D.D.H. 38
KEY
Road
Proposed Access Road
Proposed Diamond Drill Hole
Grid Line
5 cm
MINE AREA
GEOLOGIST : L.A.H.
DRAUGHTSMAN : F.A.C.
DATE : AUG. '75
REVISIONS :
SCALE 1:2000 METRES
40 0 40 80
DRAWING No.
NORTH PIEMAN
MT. LINDSAY
"MINE AREA"
GEOLOGICAL, GEOPHYSICAL & GEOCHEMICAL ANOMALY COMPLEXES
PLAN (Aug. 1975)
1:2000
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
96

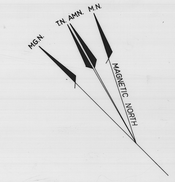


POSITION OF 1:500 MAIN LODE PLAN

EXISTING TRACK

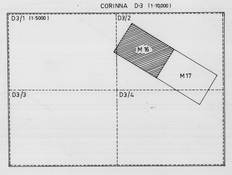
PROPOSED TRACK & DRILLSITE

SEA LEVEL = 2000m



5 cm

NOTE Photogrammetry by H.E.C. 1975
Contour interval 5m



RENISON LIMITED

MOUNT LINDSAY M16

LOCALITY PLAN

GEOLOGIST A. ROSS	SCALE 1:2000 METRES
DRAUGHTSMAN J.M. MATTHEWS	40 0 40 80
DATE APRIL 1977	
REVISIONS: P. Colson Feb. '78	DRAWING No. MLP 122

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

97

NORTH PLEMAN
MT. LINDSAY M16
1:2,000
SHOWS LOCATION OF MAIN LODE AREA PLAN (1:500)



RENISON LIMITED

5 cm

GEOLOGIST :	SCALE : 1:1000 METRES
DRAUGHTSMAN :	20 0 20 40
DATE :	
REVISIONS :	DRAWING No.

NORTH PIEMAN
MT. LINDSAY
CONTOUR
1:1,000

98



5 cm

RENISON LIMITED

MOUNT LINDSAY MINE

MAIN LODE AREA

NOTE: Contours enlarged from H.E.C. 1:50,000 plans. Contours should be taken as a guide only.

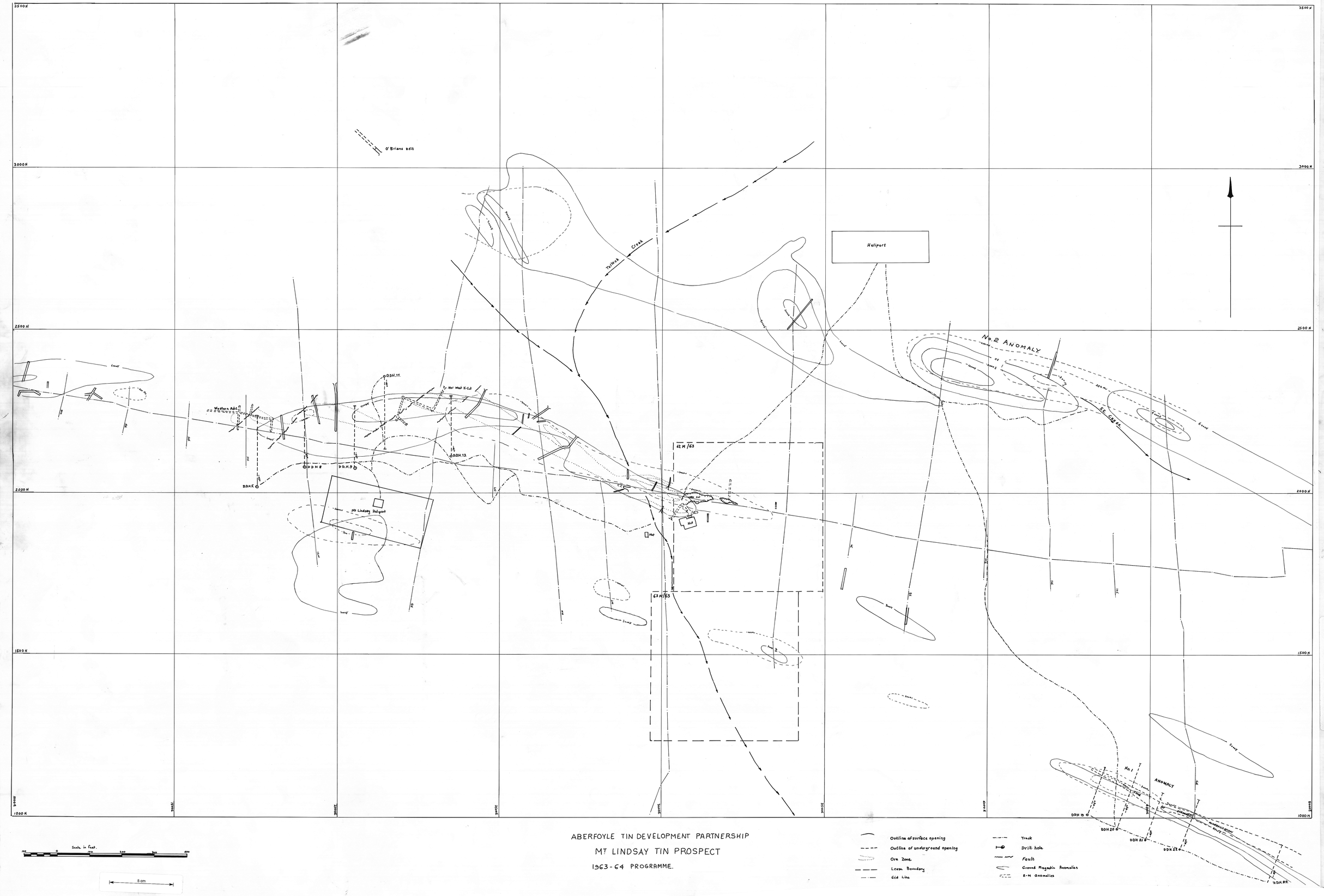
R.L.'s: Mean sea level + 2000 m.

GEOLOGIST :	SCALE 1:500 METRES
DRAUGHTSMAN :	10 0 20 40
DATE :	
REVISIONS :	DRAWING No.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 16/73)

99

NORTH REMAN
MT. LINDSAY MAIN LODE
AREA
CONTOUR
1:500



ABERFOYLE TIN DEVELOPMENT PARTNERSHIP

MT LINDSAY TIN PROSPECT

1963-64 PROGRAMME.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

100

NORTH PIEMAN
MT. LINDSAY "ABERFOYLE TIN DEVELOPMENT PARTNERSHIP", MT. LINDSAY TIN PROSPECT, 1963-64 PROGRAMME
GEOLOGY & MAGNETICS

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

101

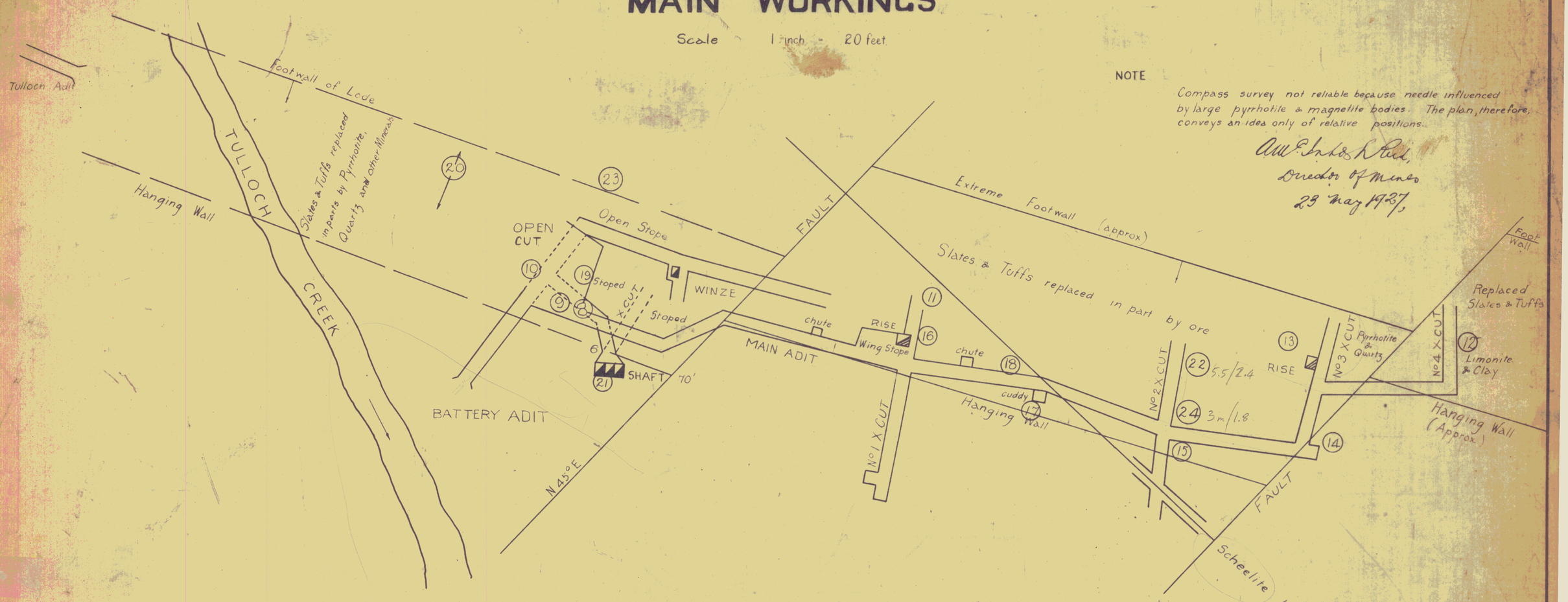
NORTH PEMAN
MT. LINDSAY 1:240
LINDSAY TIN MINE
GEOLOGY
(McIntosh Reid, 1927)

LINDSAY TIN MINE

5 cm

MAIN WORKINGS

Scale 1 inch - 20 feet



NOTE

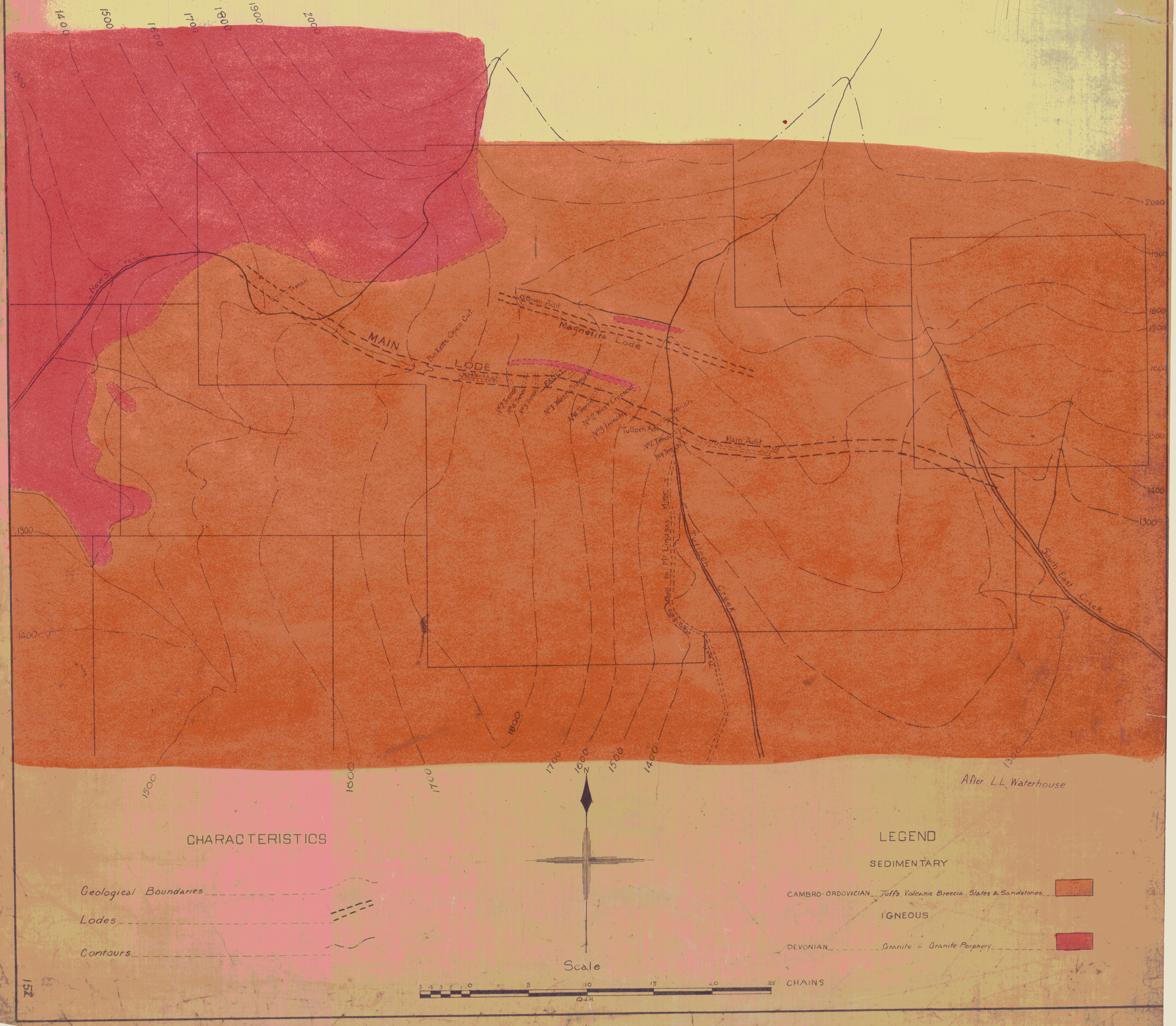
Compass survey not reliable because needle influenced by large pyrrhotite & magnetite bodies. The plan, therefore, conveys an idea only of relative positions.

Alfred Reid,
Director of Mines
23 May 1927.

ASSAYS OF SAMPLES

Sample Number	Name of Workings	Nature of Ore	Width of Sample	Tin Content %	Sample Number	Name of Workings	Nature of Ore	Width of Sample	Tin Content %
1	Burkett Open Cut	Clay & Limonite	8	Trace	13	Rise No 3 Crosscut	Gossan-Quartz	8	0·26
2	West Adit	Pyrrhotite-Magnetite		Trace	14	No 3 Crosscut	Pyrite Quartz Clay	10	Trace
3	O'Brien Adit	Pyrrhotite-Magnetite		Nil	15	No 2 Crosscut South	Clay & Limonite	6	0·13
4	West Crosscut	Pyrrhotite-Magnetite		0·1	16	No 1 Crosscut North	Pyrite Quartz	10	0·76
5	No 2 West Crosscut	Pyrrhotite-Magnetite		Nil	17	Cuddy off Main Drive	Gossan	4·5	0·13
6	Battery Adit	Gossan-Quartz	3	2·15	18	Main Adit Drive	Quartz-Marcasite	8	6·50
7	Battery Adit	Gossan-Quartz	5	2·40	19	Open Cut Main level	Gossan	12	1·25
8	Battery Adit	Quartz-Gossan	5	5·40	20	Outcrop	Pyrrhotite-Quartz	20	0·30
9	Battery Adit	Quartz-Gossan	5	2·41	21	Shaft	Pyrrhotite-Magnetite		0·10
10	Battery Adit	Pyrrhotite Quartz	8	9·21	22	No 2 Crosscut	Pyrrhotite Quartz	18	2·40
11	No 2 Crosscut	Pyrrhotite	9	2·63	23	Open Stope	Gossan Clay	15	1·75
12	No 4 Crosscut	Chloride Clay	10	0·31	24	No 2 Crosscut	Pyrrhotite Quartz	10	1·80

FEATURE PLAN



After L.L. Waterhouse

CHARACTERISTICS

Geological Boundaries _____

Lodes _____

Contours _____

Scale

5 4 3 2 1 0 5 10 15 20 25 CHAINS

Q.J.H.

LEGEND

SEDIMENTARY

CAMBRO-ORDOVICIAN — Tuffs, Volcanic Breccia, Slates & Sandstones

IGNEOUS

DEVONIAN — Granite & Granite Porphyry

152

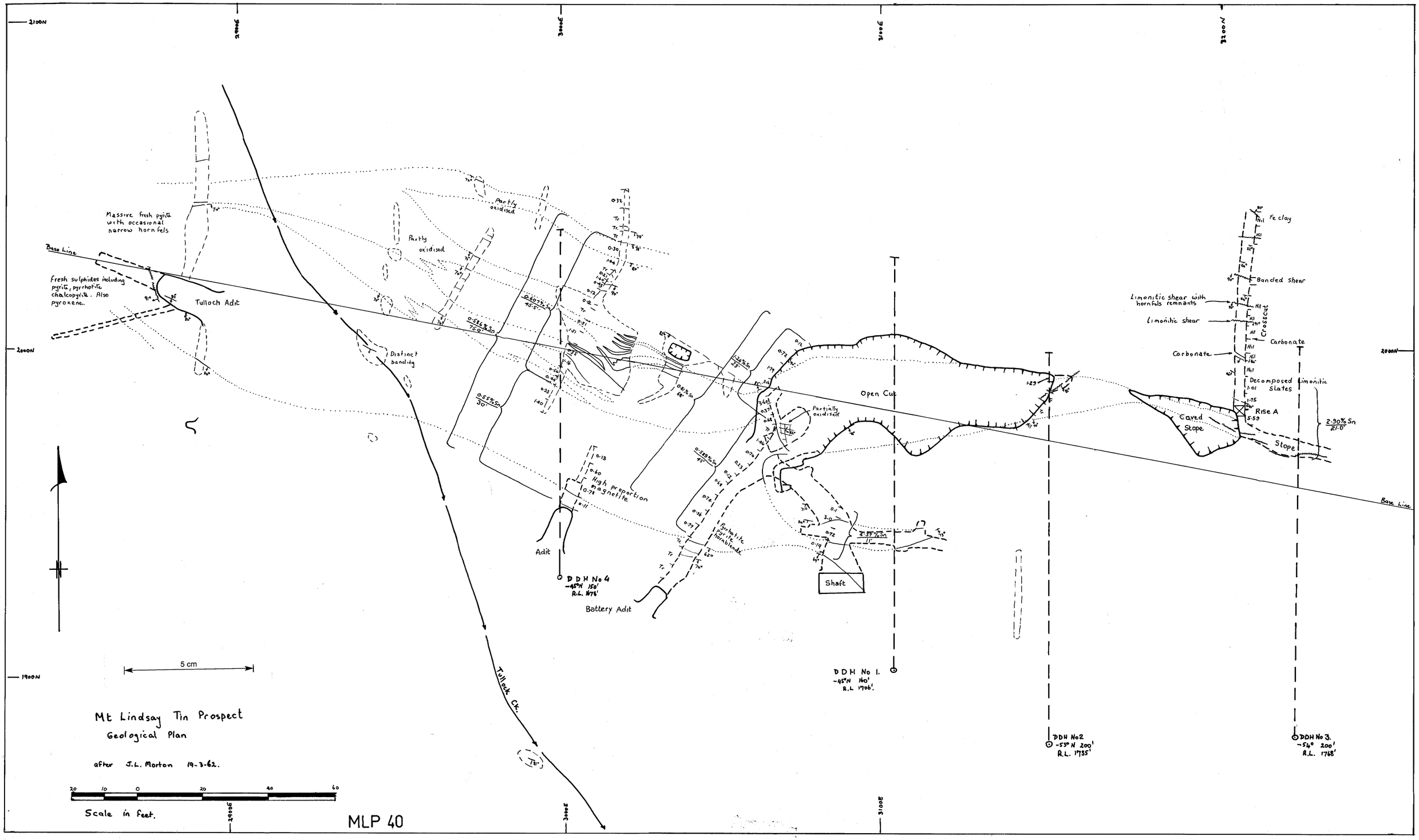
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

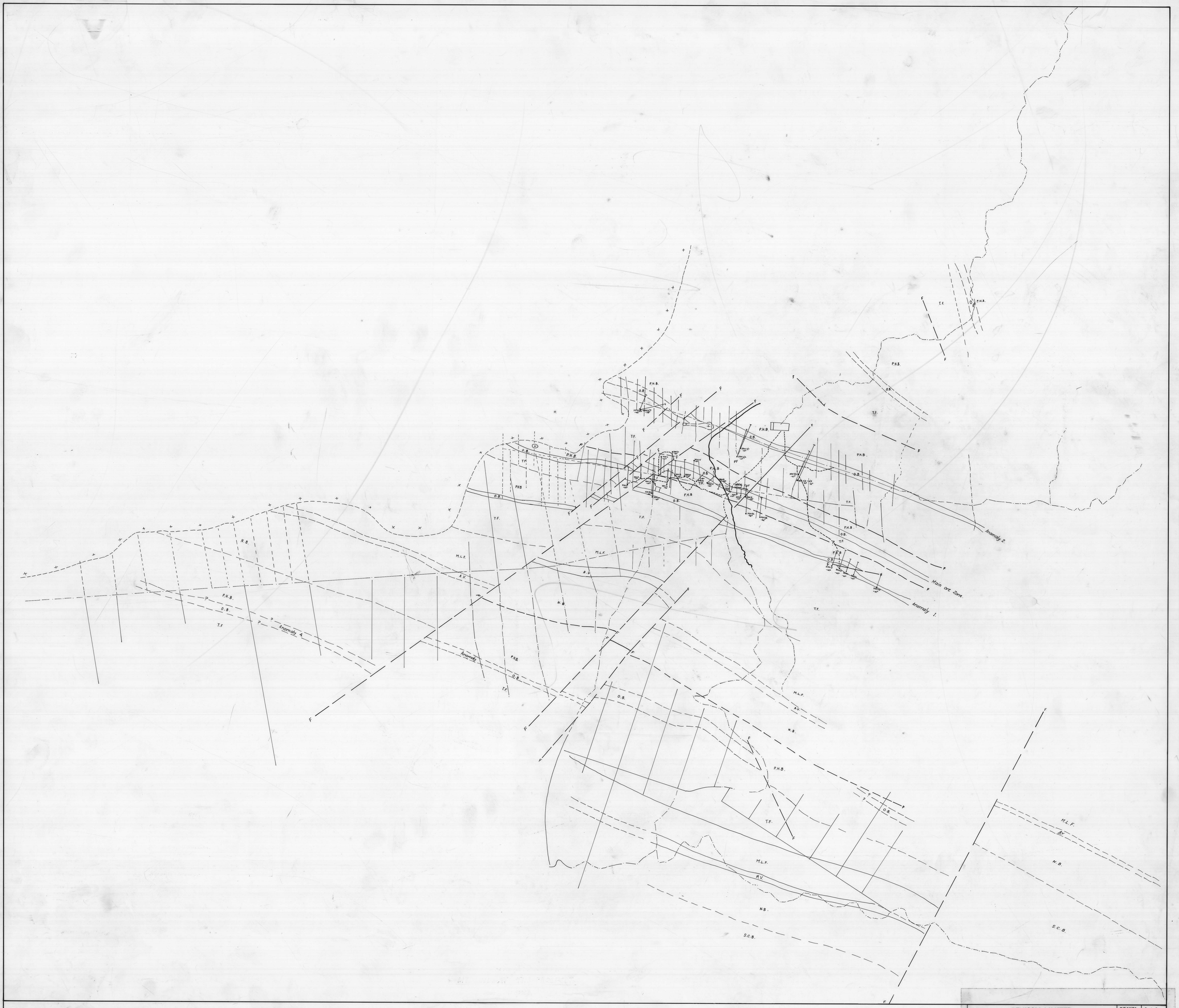
102

NORTH FIEMAN

MT. LINDSAY
1:240

MT. LINDSAY MINE
GEOLOGY
(after J.L. Morton of Abertoyle, 1962)





Parsons Hood. Beds.	P.H.B.	Salmon Creek Beds.	S.C.B.
O'Briens Formation.	O.B.	Meredith Granite.	++
Tulloch Formation.	T.F.		
Mt. Lindsay Formation.	M.L.F.		
Alston Volcanics.	A.V.		
Neagle Bed.	N.B.		

RENISON LIMITED

MT. LINDSAY TIN PROSPECT.

5 cm

SCALE. 1: 5,000 METRES.

100 0 100 200 300

DRAWN	R. J. P.
TRACED	
DATE	
SCALE	1:5,000.
DRAWING No.	

MLP 41

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

103

NORTH PIGMAN
MT. LINDSAY ? ABERFOYLE
1: 5000 GEOLOGY

VOLCANIC FLOATERS

VOLCANIC FLOATERS

GREYWACKE, SHALE & VOLCANIC FLOATERS

VOLCANIC FLOATERS

FINE GRAIN GREYWACKE VOLCANICS, RECRYSTALLISED GREYWACKES. FLOATERS.

DARK CHERT & SHALE FLOATERS.

SILICEOUS SHALE FLOATERS

CHERT + QUARTZITE OUTCROP

QUARTZITES OUTCROP?

FINE GRAIN GREYWACKE PYRITE + ACTINOLITE OUTCROP?

FINE GRAIN GREYWACKE

CHERT & GREYWACKE WITH SHALE INTERBEDS OUTCROP?

FLOATERS OF FINE GRAIN GREYWACKE

1000S

FLOATERS OF CHERT WITH PYRITE INCLUSIONS

SHALE & FINE GRAIN GREYWACKE FLOATERS.

GREYWACKE FLOATERS

2000S 2000W

QUARTZITES IN GREYWACKE OUTCROP

VOLCANIC FLOATERS

GREYWACKE FLOATERS

GREYWACKE FLOATERS

OUTCROP GREYWACKE

QUARTZITE FLOATERS

LIGHT & DARK CHERTS WELL BANDED IN PLACES WITH SULPHIDES IN VEINS FLOATERS

WHITE QUARTZITE FLOATERS

OUTCROP GREYWACKE

SILICEOUS SHALE OUTCROP

SILICEOUS QUARTZITE & GREYWACKE OUTCROP

FINE GRAIN GREYWACKE FLOATER

FINE GRAIN GREYWACKE FLOATER

FINE GRAIN GREYWACKE FLOATERS

FLOATERS OF GREYWACKE

SILICEOUS SHALE BANDS.

FLOATERS OF GREYWACKES

1800N

2000S 1200W

FLOATERS OF GREYWACKE

OUTCROP? SILICEOUS GREYWACKE FLOATERS

OUTCROP QUARTZ GREYWACKE DISSEMINATED PYRRHOTITE

FLOATERS OF SILICEOUS GREYWACKE & ARGILLACEOUS GREYWACKES.

PARSON HOOD BEDS

FLOATERS OF SILICEOUS GREYWACKES

FLOATERS OF GREYWACKES FLOATERS OF PELLOMATIC GREYWACKES

FINE GRAIN GREYWACKE & SILICEOUS FLOATERS.

O'BRIEN'S FORMATION.

CHERT FLOATERS SULPHIDES

QUARTZITE OUTCROP

SILICEOUS SHALE OUTCROP

or

FINE GRAIN GREYWACKES

FLOATERS OF SILICEOUS GREYWACKE

CHERT FLOATERS WITH MANGANESE-RICH SILICEOUS MUDSTONES

Anticline & (Axis N70W)

GREYWACKE FLOATERS

GREYWACKE OUTCROP

DARK QUARTZITES & SILICEOUS GREYWACKE FLOATERS (SOME WITH CHERT FRAGMENTS)

CHERT OUTCROP, BANDED

CHERT (SULPHIDES) FLOATERS

FLOATERS - FINE GRAIN SILICEOUS GREYWACKE

CHERT FLOATERS.

CHERT FLOATERS

TULLOCH FORMATION

FINE GRAIN GREY CHERT & SILICEOUS GREYWACKE FLOATERS.

FLOATERS OF GREYWACKE

FINE GRAIN GREYWACKE FLOATER

FINE GRAIN GREYWACKE FLOATER (SULPHIDES SYNGENETIC)

FLOATERS OF CHERT (SULPHIDES) GREYWACKES & SILICEOUS MUDSTONE (PYRITES)

1200S 1200W

QUARTZITE & GREYWACKE.

FINE GRAIN SILICEOUS GREYWACKES & MUDSTONES.

FLOATERS OF SILICEOUS MUDSTONES & GREYWACKES

1200S 200W

600S

60

MT LINDSAY

MT LINDSAY FORMATION

1000E

1000E

1000S

STONE

1000S.

SCALE OF FEET

100 0 100

5 cm

MT LINDSAY GEOLOGICAL PLAN. Appox location Remien Line Km 10-Km 13 1000-1200 mN

SURVEY – AT, RJV, KFW; – /12/69.
GEOLOGY – KFW – / 1 /70
ENGINEERING – – / /
DRAWN – KFW + RJV – / 1 /70.
TRACED – – / /
REFERENCE –
PRINT No. –

DRAWING No.– L-70-1

DRAWER:

BD L 2423 (EL 1 2423 & EL 1873)

104

NORTH PEMAN MCCRAE MT LINDSAY GEOLOGY ART 1:1200 L-70-1 (1969 FM)

MT LINDSAY

B

60

70

10

20

30

40

A

FAULT

FINE GRAIN GREYWACKE FLOATERS

FELSPATHIC GREYWACKE FLOATERS. (IRON RICH)

CHERT FLOATERS.

DARK QUARTZITE FLOATERS.

GREYWACKE FLOATERS

CREEK

FELSPATHIC GREYWACKE

FELSPATHIC GREYWACKE FLOATERS

CHERT FLOATERS

GREYWACKE FLOATERS

GREYWACKE FLOATERS (EPIDOTE?) VEINS

SILICEOUS SHALE FLOATERS

SILICEOUS SHALE GREYWACKE FLOATERS

GOSSANOUS APPEARANCE

GREYWACKE FLOATER

GOSSANOUS APPEARANCE

FELSPATHIC GREYWACKE FLOATERS

OUTCROP GREYWACKE

OUTCROP FINE GRAIN GREYWACKE

FELSPATHIC GREYWACKES.

SHALES & GREYWACKE FLOATERS

FLOATERS OF DARK GREYWACKES.

KHAKI SHALES WELL WEATHERED

FELSPATHIC GREYWACKES & SILTSTONES IN APPEARANCE

GREYWACKE FLOATERS

GREYWACKE FLOATERS

FLOATAGE WELL WEATHERED FELSPATHIC GREYWACKES OUTCROPPING IN APPEARANCE. KHAKI SHALES

SILICEOUS SHALE.

SHALE FLOATAGES

MT COLQUHOUN SHALES FINE GRAIN GREYWACKE? FLOATERS

FINE GRAIN GREYWACKES & SHALE FLOATERS

GREYWACKE FLOATERS WITH PYRRHOTITE

SHALES WITH QTZ VEINS OUTCROP?

CHOCOLATE SHALES FLOATERS

CREEK

FLOATERS OF GREYWACKE & GREEN SHALEY PYRITE IN VEINS.

CHERT WITH PYRRHOTITE

GREYWACKE FLOATERS

DARK GREYWACKE FLOATERS

GREYWACKE VEINS Q/Z FLOATER

WEATHERED YELLOW SHALE FLOATERS

OUTCROP CHOCOLATE SHALES

KHAKI SHALES GOSSANOUS APPEARANCE

GOSSANOUS FLOATERS

FELSPATHIC GREYWACKE FLOATERS WELL WEATHERED FE RICH

KHAKI SHALE FLOATERS

WELL WEATHERED KHAKI SHALES

FELSPATHIC GREYWACKE FLOATERS WELL WEATHERED

KHAKI SHALES OUTCROP

CHOCOLATE COLOURED SHALE (FOUND UNDER)

SHALE WELL BANDED.

FE RICH FELSPATHIC GREYWACKE FLOATERS

GREYWACKE W FLOATERS

GOSSANOUS MATERIAL

KHAKI SHALE GOSSANOUS APPEARANCE OUTCROP

WILSON RIVER

100 0 100

SCALE OF FEET

5 cm

MT LINDSAY GEOLOGICAL PLAN – FACT.

SURVEY	–	AS, RJV, KPW	– / /
GEOLOGY	–	KPW	– / /
ENGINEERING	–		– / /
DRAWN	–	KPW, RJV	– / /
TRACED	–		– / /
REFERENCE	–		
PRINT No.	–		

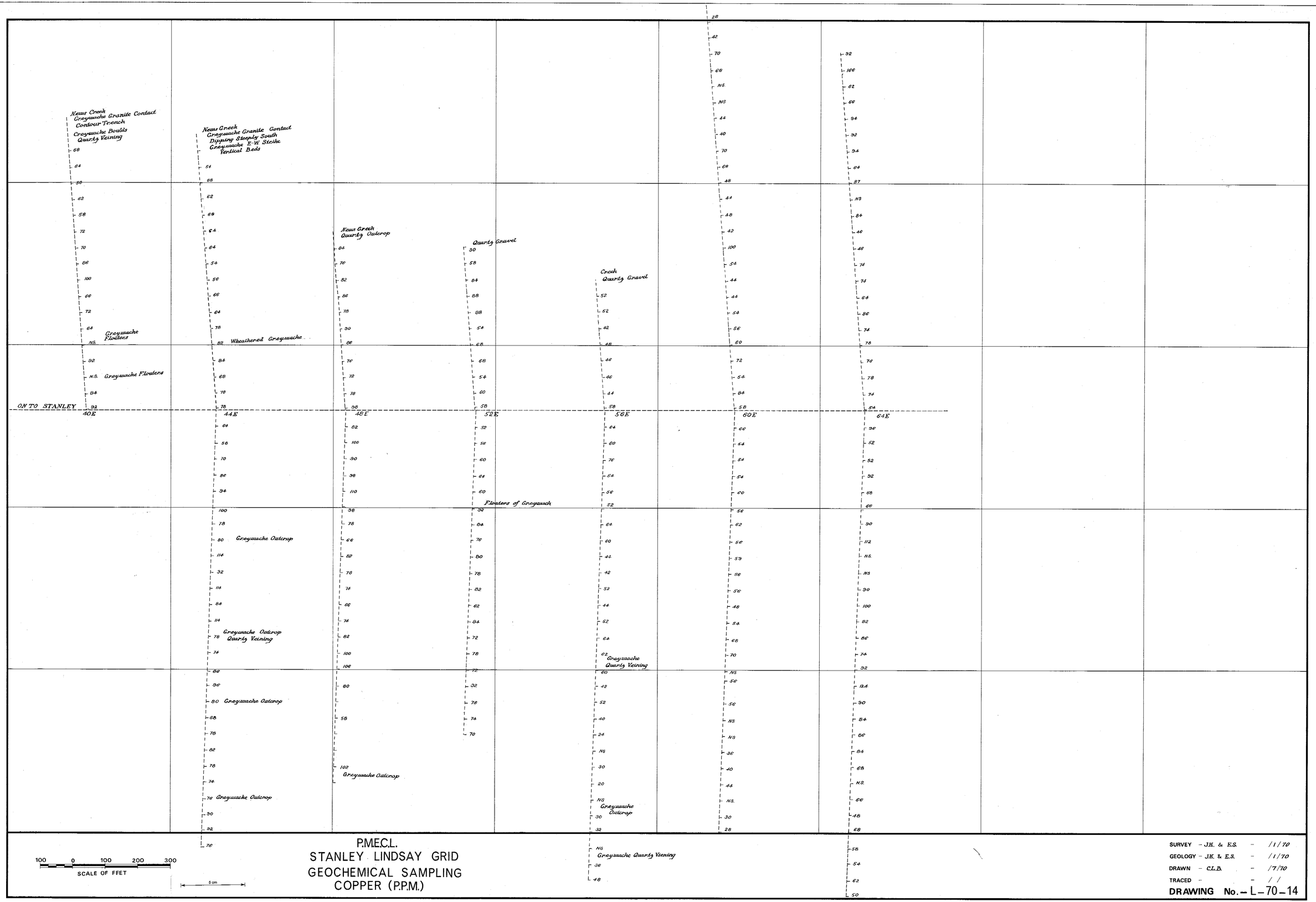
DRAWING No.– L-70-2

DRAWER:

105

MT LINDSAY
M.L. 2/63 & E.L. 18/73

NORTH PIONAN
ACCESS ROAD
MT LINDSAY
1:1200
L-70-2
(1980)



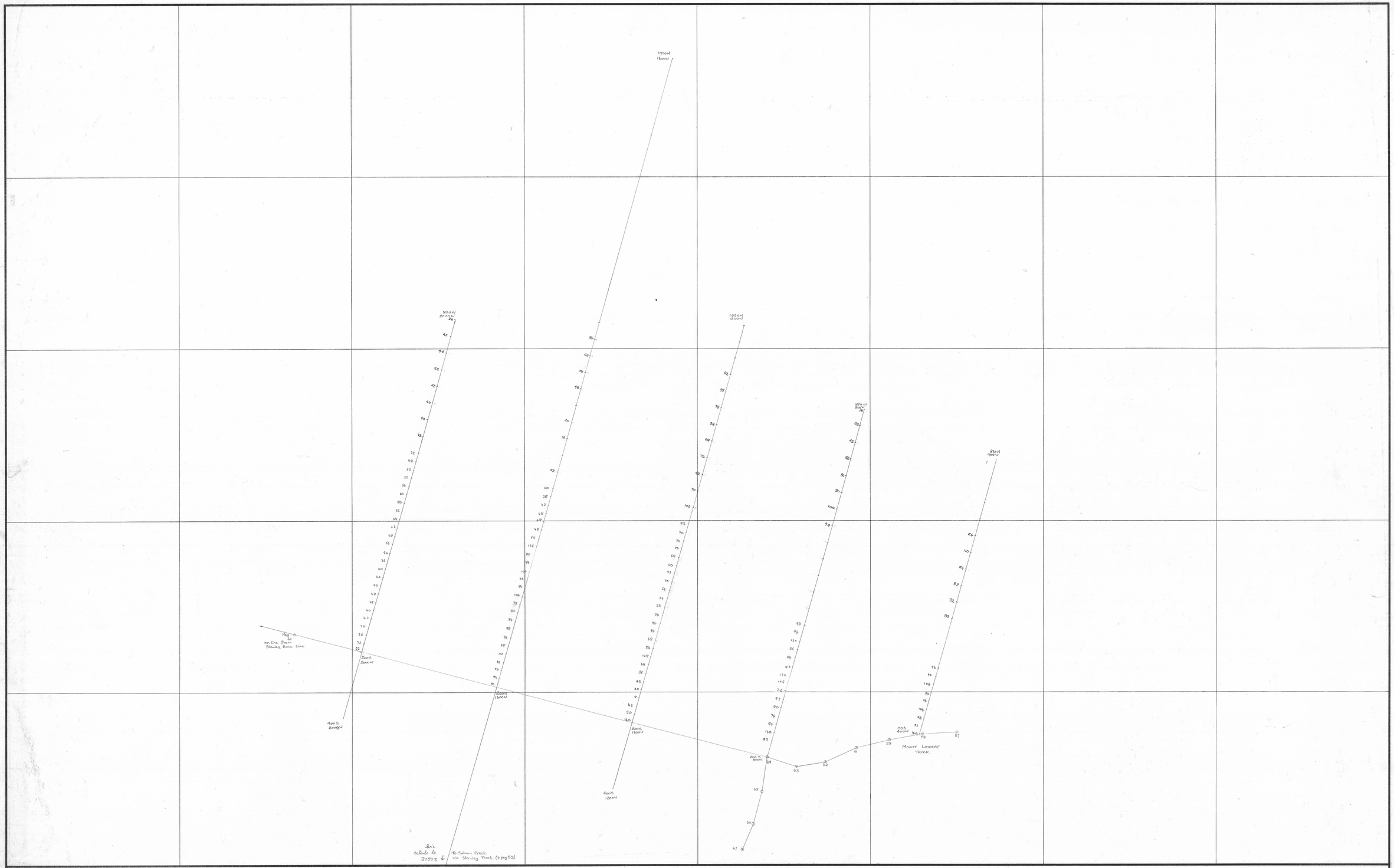
P.M.E.C.L.
STANLEY LINDSAY GRID
GEOCHEMICAL SAMPLING
COPPER (P.P.M.)

SURVEY - J.K. & E.S. - /1/70
GEOLOGY - J.K. & E.S. - /1/70
DRAWN - C.L.B. - /7/70
TRACED - - / /
DRAWING No. - L-70-14

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

106

NORTH PIEMAN
MT. LINDSAY
1:1200
L-70-14
(1970)



COPPER GEOCHEMICAL PLAN

FIGURES IN PP.M.

SURVEY	– K.EN, RJY, AJ.	–	/ 12 / 69
GEOLOGY	–	–	/ /
ENGINEERING	–	–	/ /
DRAWN	–	–	/ /
TRACED	–	–	/ /
REFERENCE	–		
PRINT No.	–		

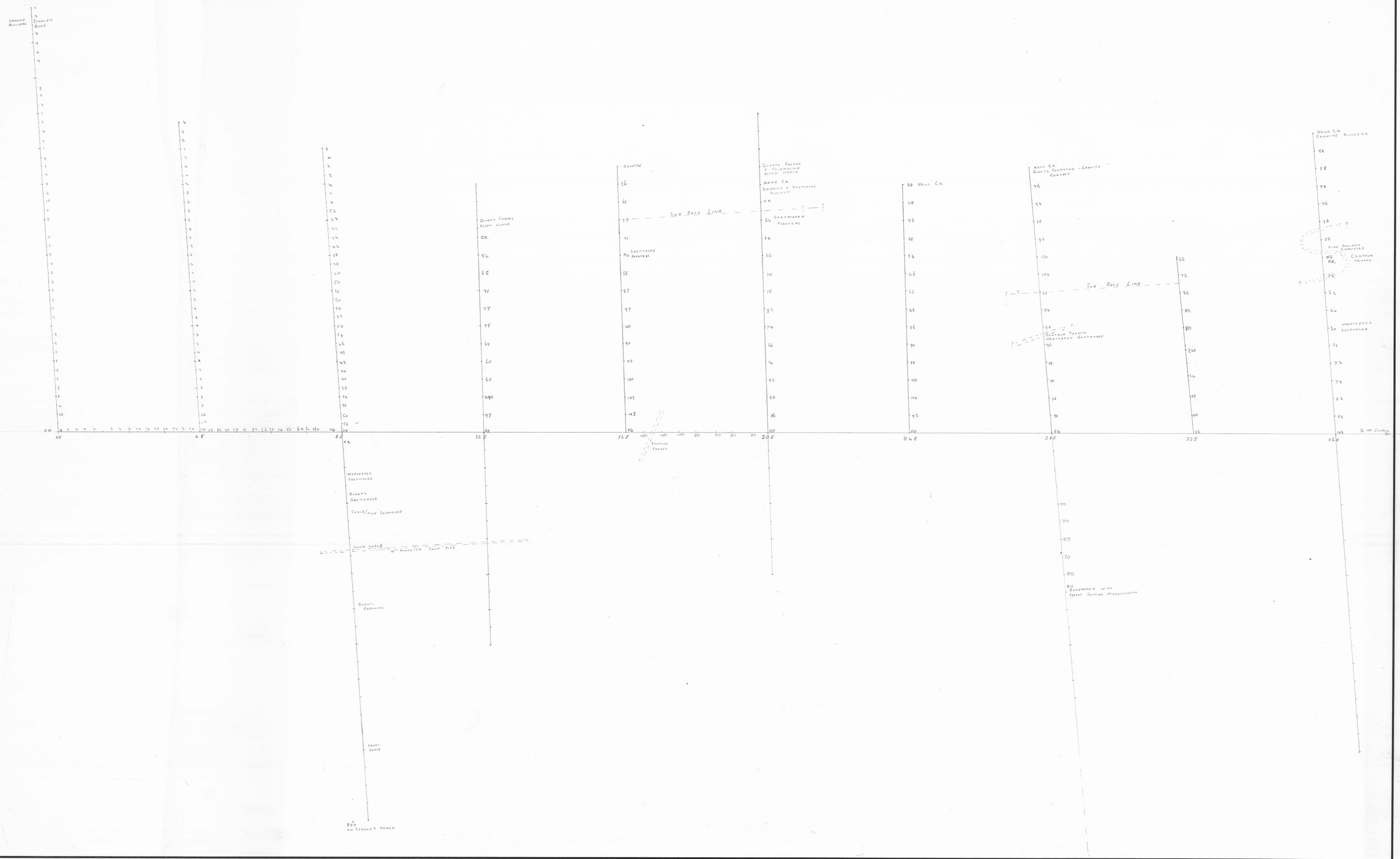
DRAWING No. – L-70-3

DRAWER:

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

107

NORTH PIEMAN
MT. LINDSAY ABERFOYLE
1:1200 GEOCHEM. – Cu
L70-3 (1969)



0 100 200
SCALE OF FEET

5 cm

GEOLOGY - STANLEY - LINDSAY GRID - GEOCHEMICAL SAMPLING COPPER [P.P.M]

SURVEY	- Knight & Smith & Glasson	-	/ / 70
GEOLOGY	-	-	/ /
ENGINEERING	-	-	/ /
DRAWN	- Knight	-	10/2/70
TRACED	-	-	/ /
REFERENCE	-		
PRINT No.	-		

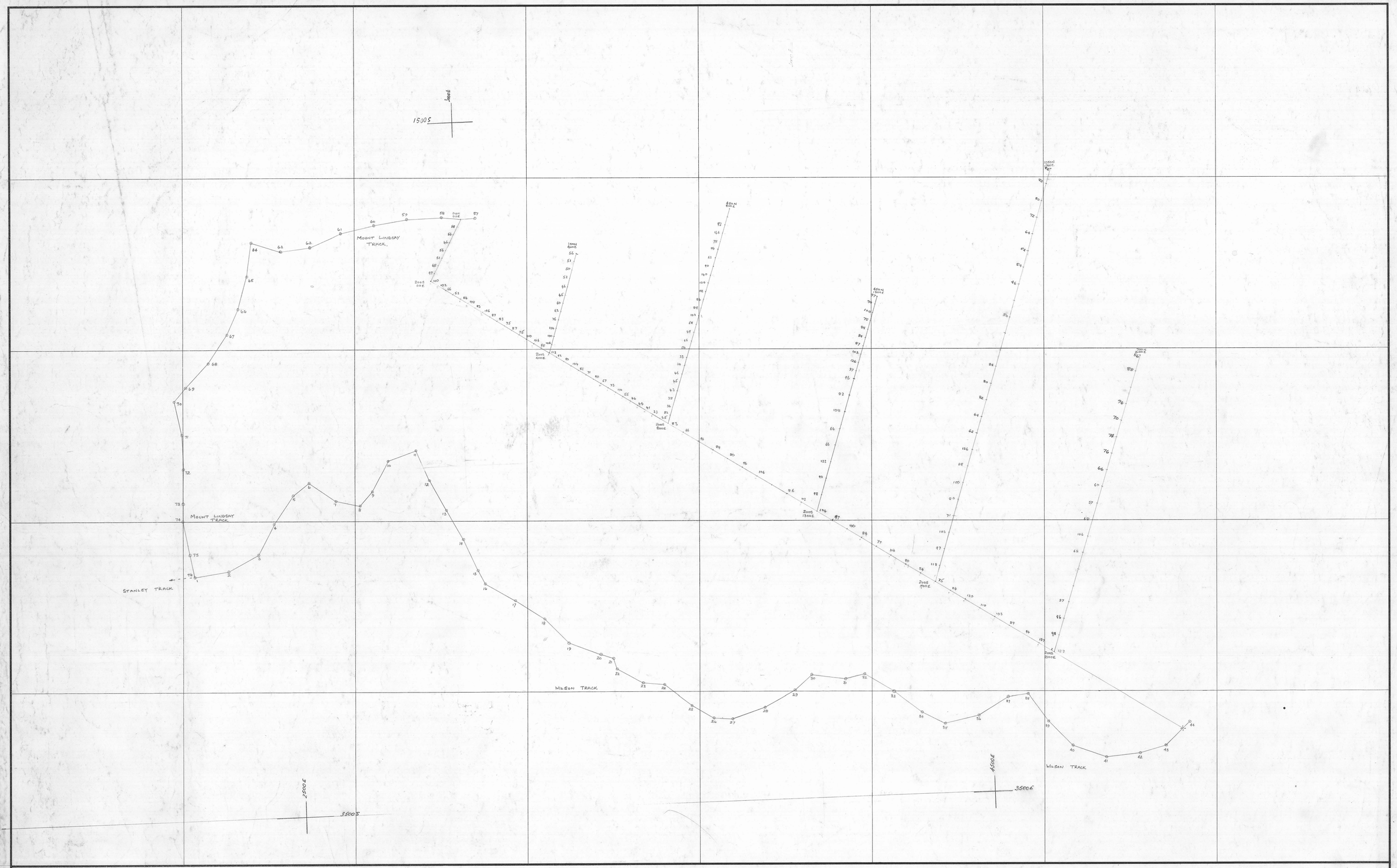
DRAWING No.- L-70-13

DRAWER:

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

108

NORTH PIEMAN
MT. LINDSAY ABERFOYLE
1:1200 GEOCHEM. - Cu
L70-13 (1970)



SCALE OF FEET

5 cm

N

magnetic

COPPER GEOCHEMICAL PLAN

FIGURES IN P.P.M.

SURVEY	– K.F.W., R.N., A.T.	–	/ 12/69
GEOLOGY	–	–	/ /
ENGINEERING	–	–	/ /
DRAWN	–	–	/ 1/70
TRACED	–	–	/ /
REFERENCE	–		
PRINT No.	– 2		

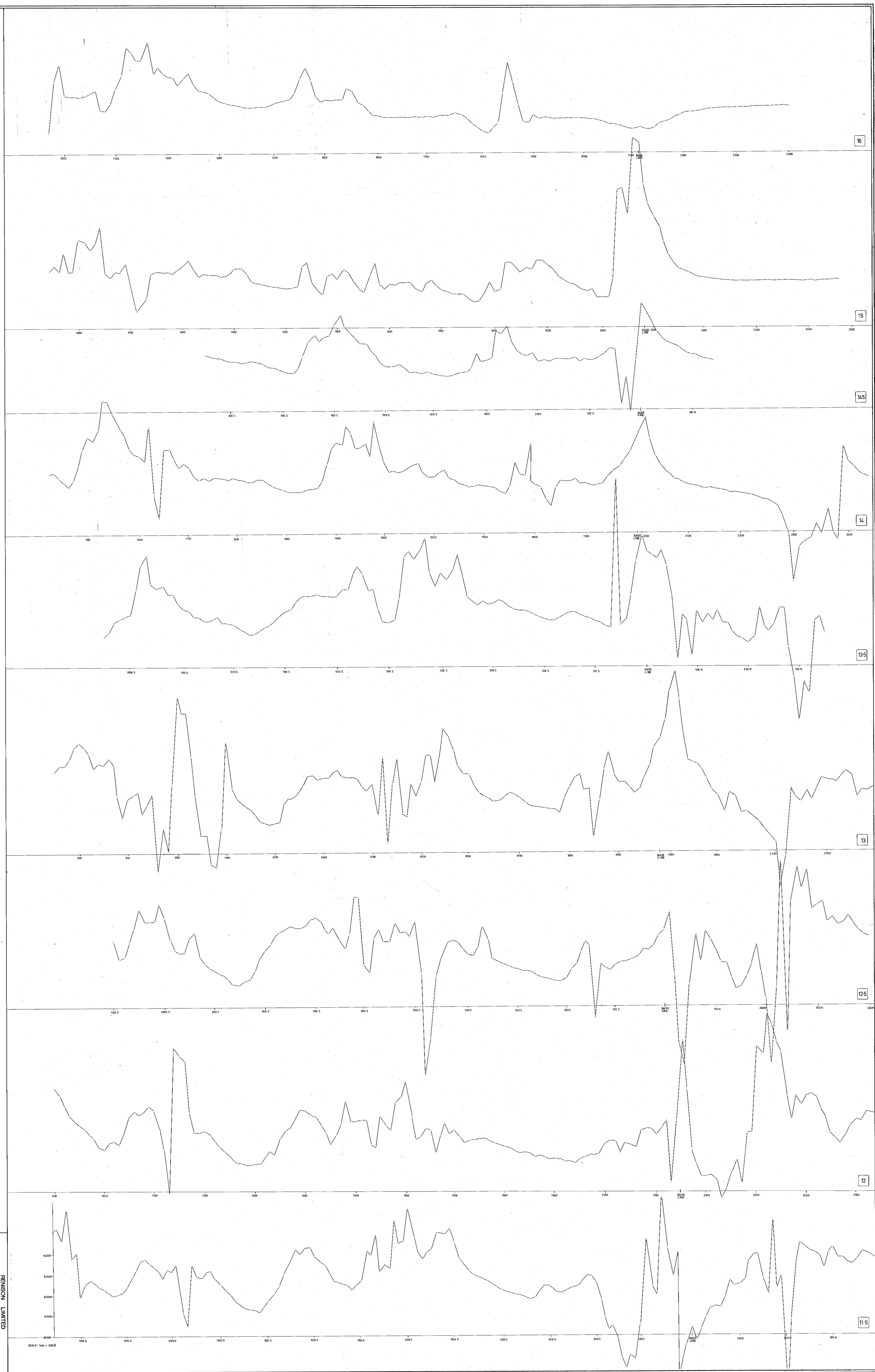
DRAWING No.– L-70-4

DRAWER:

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

109

NORTH PIEMAN
MT. LINDSAY
1:1200
ABERFOYLE
GEOCHEM.-Cu.
L-70-4
(1969/70)



RENISON LIMITED

MOUNT LINDSAY

STACKED MAGNETIC PROFILES — SHEET 1

GEOLOGIST : A. ROSS
DRAUGHTSMAN : J. MATTHEWS
DATE : MARCH '77

SCALE 1:2,000 METRES

REVISIONS :

DRAWING No. MLP 105

85 - 6425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

NORTH PIGMAN
MAGNETIC PROFILES
SHEET 1

1:2,000

110

ORIGINAL
1:2000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

111

NORTH PIEMAN
MT. LINDSAY STACKED GROUND
MAGNETIC
1:2000 PROFILES
SHEET 2

RENISON LIMITED

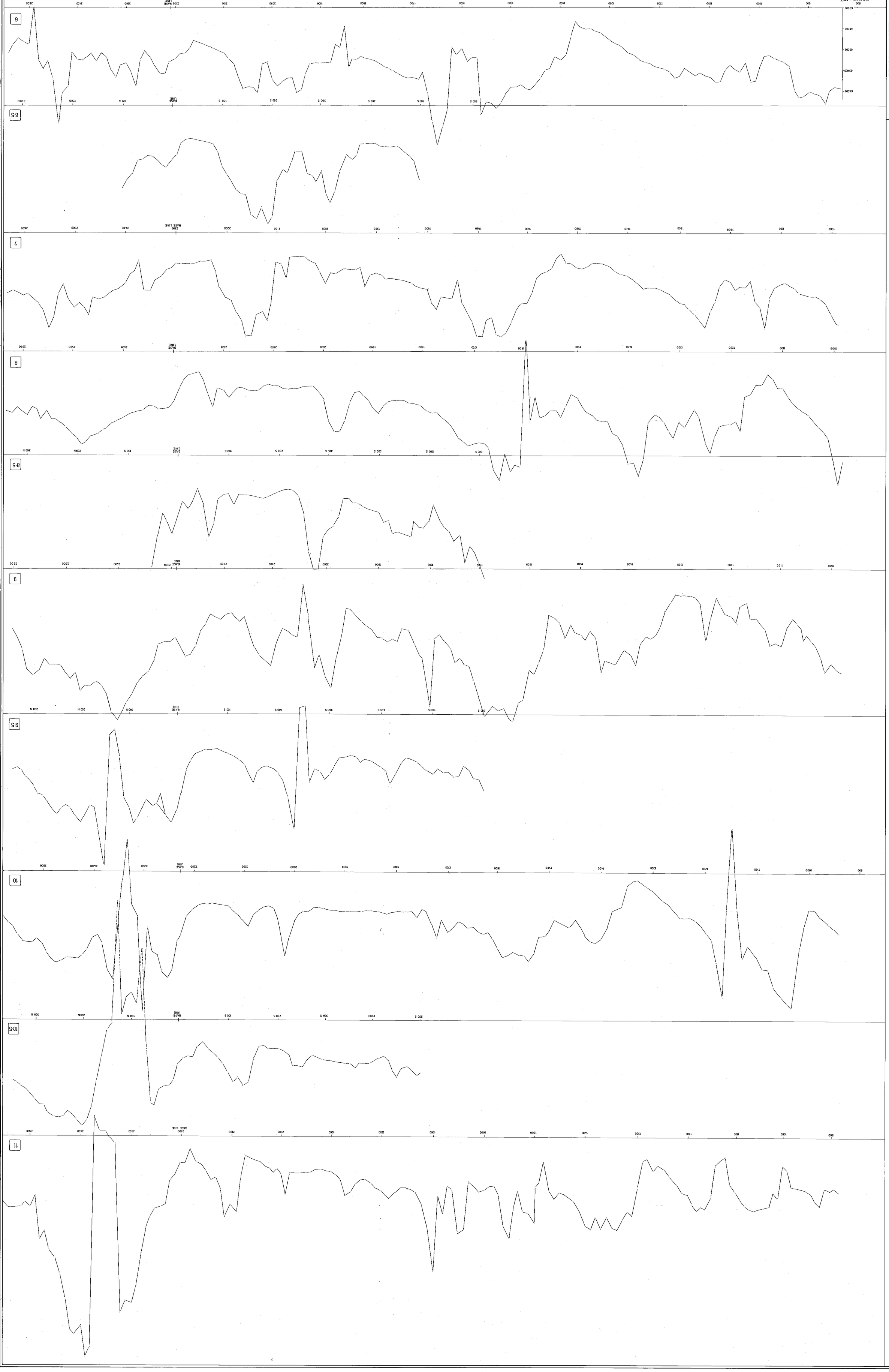
MOUNT LINDSAY

STACKED MAGNETIC PROFILES – SHEET 2

GEOLOGIST : A. ROSS
DRAUGHTSMAN : J. MATTHEWS
DATE : MARCH '77
REVISIONS :

SCALE 1:2,000 METRES

DRAWING No. MLP 106

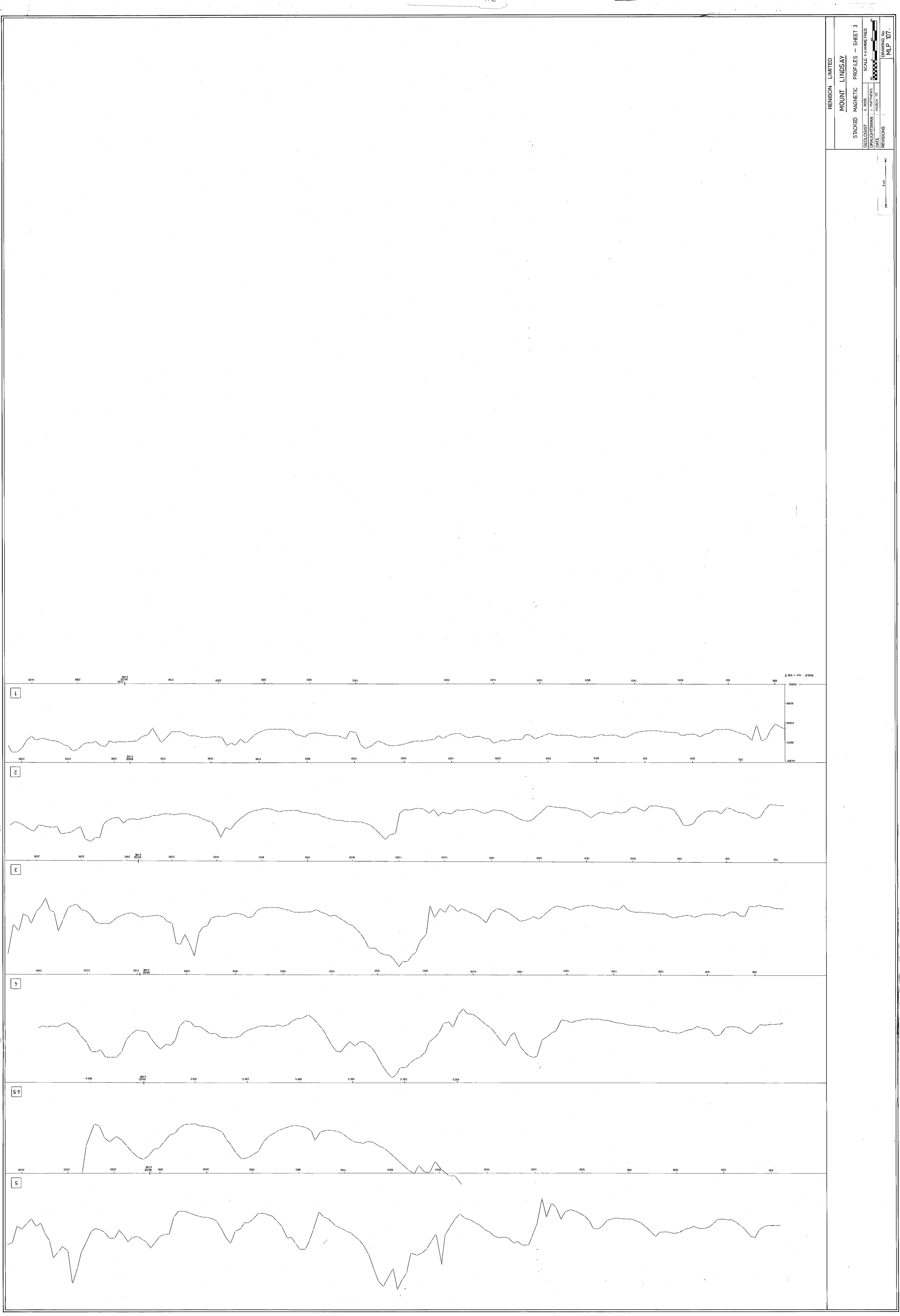


ORIGINAL
1:2000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

112

NORTH PIEMAN
MT. LINDSAY STACKED GROUND
1:2000 MAGNETIC
PROFILES
SHEET 3



85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

113

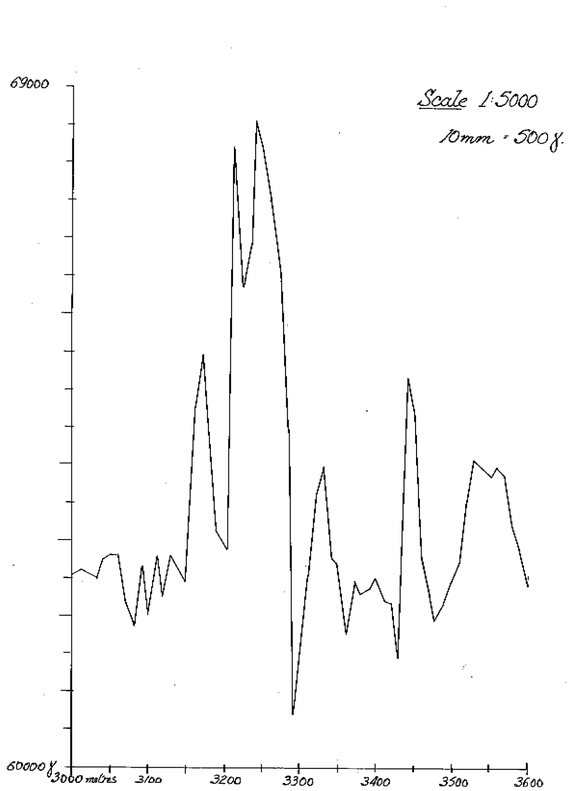
NORTH PIEMAN
MT. LINDSAY ANOMALY "A"
1:5000 MAGNETIC PROFILES
(R. Poltock, 1981)

RENISON LIMITED

MT. LINDSAY
MAGNETIC PROFILES

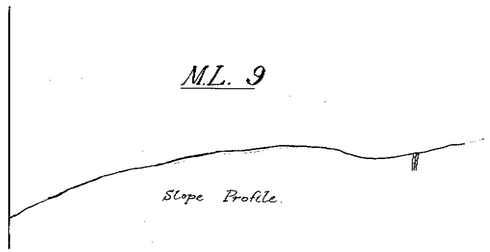
GEOLOGIST : R. Poltock	SCALE 1:5000 METRES (100 0 100 200)
DRAUGHTSMAN :	
DATE : May 1981	
REVISIONS :	DRAWING No.

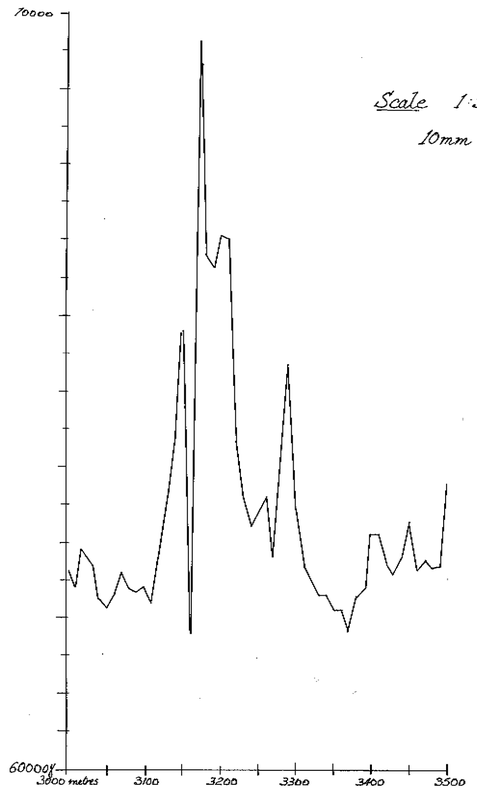
5 cm



Scale 1:5000
10mm = 500γ.

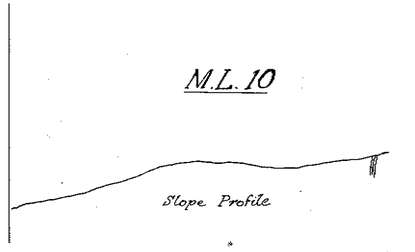
M.L. 9

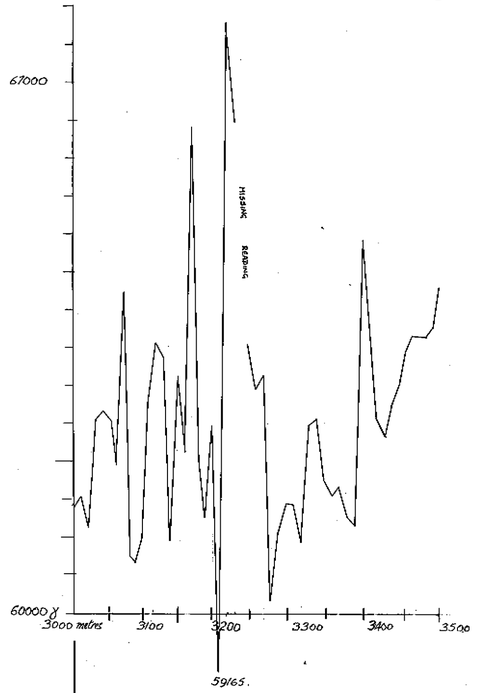




Scale 1:5000
10mm = 500γ.

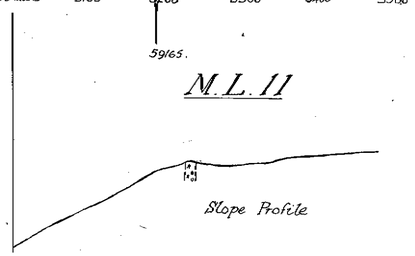
M.L. 10

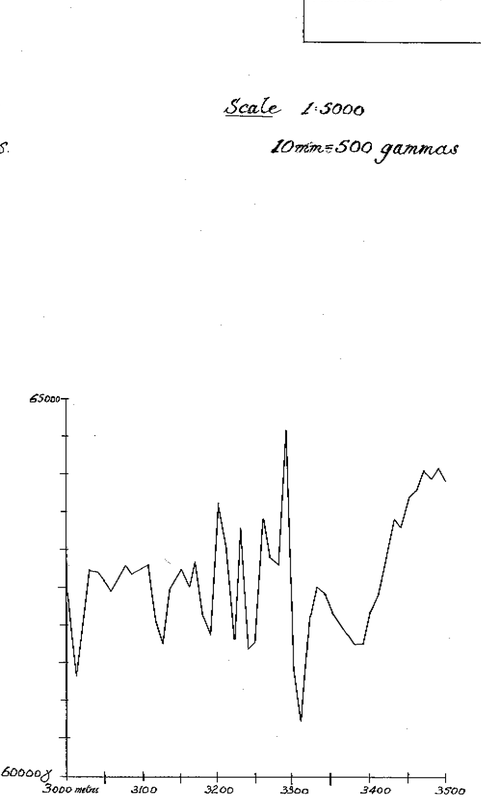




Scale 1:5000
10mm = 500 gammas.

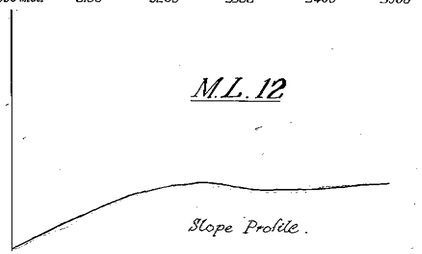
M.L. 11





Scale 1:5000
10mm = 500 gammas

M.L. 12



DRG. 2B. Profiles : Magnetic
Topographic.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

114

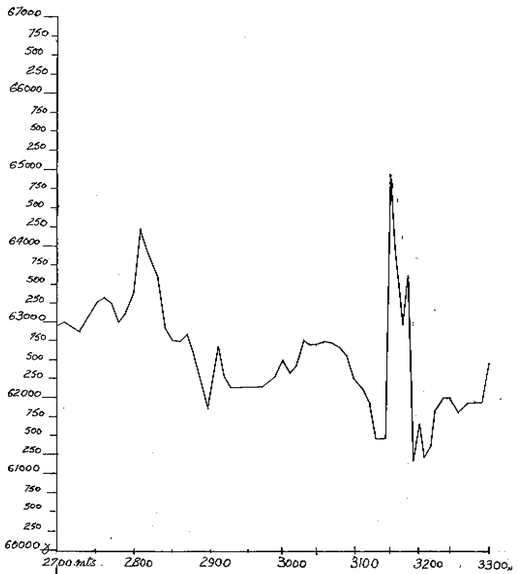
NORTH PIEMAN
MT. LINDSAY ANOMALY "A"
1:5000 MAGNETIC PROFILES
(R. Pollock, 1981)

RENISON LIMITED

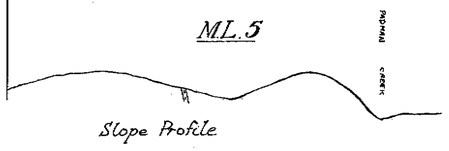
MT. LINDSAY
MAGNETIC PROFILES

GEOLOGIST : R. Pollock	SCALE 1:5000 METRES (100 0 100 200)
DRAUGHTSMAN :	
DATE : May 1981	
REVISIONS :	DRAWING No.

5 cm

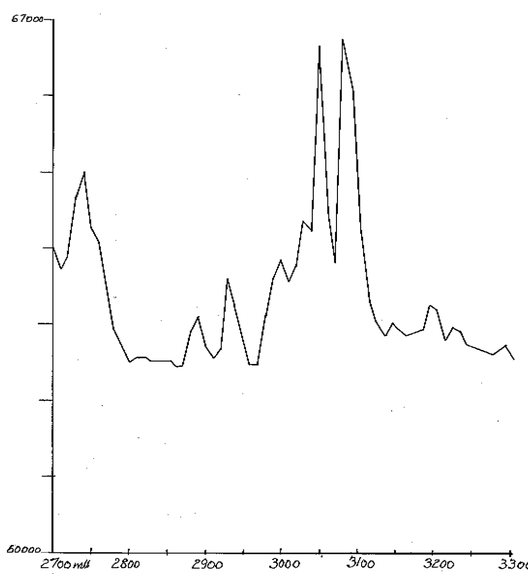


M.L.5

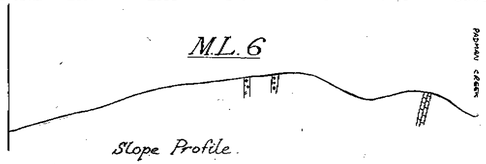


Slope Profile

Scale 1:5000, 10mm = 500ft.

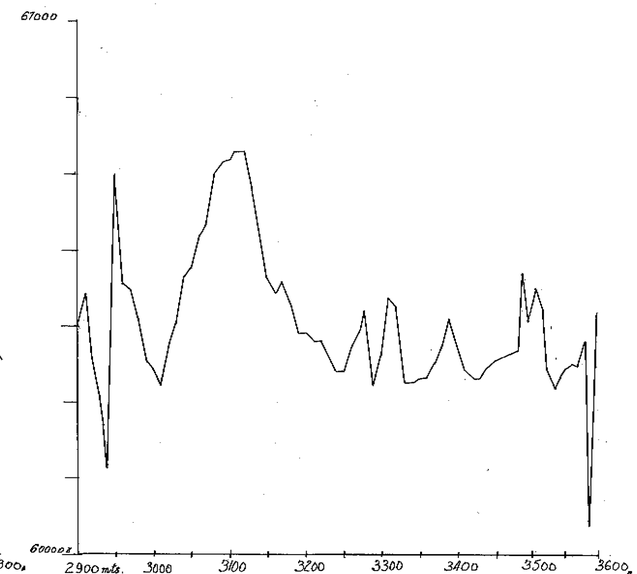


M.L.6

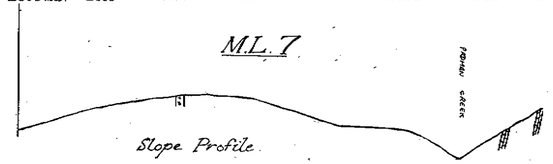


Slope Profile

Scale 1:5000, 10mm = 500ft.

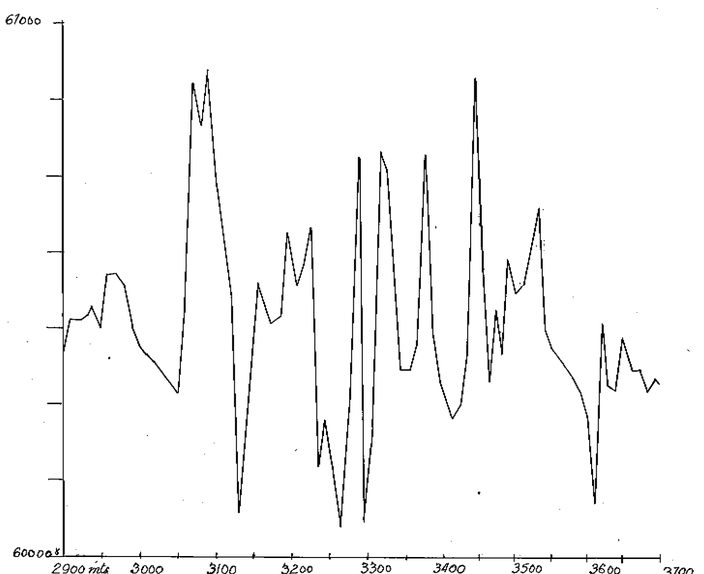


M.L.7

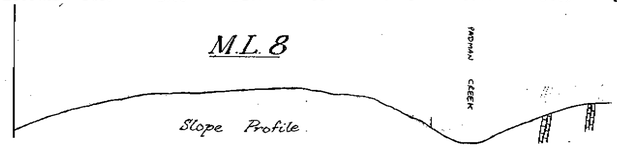


Slope Profile

Scale 1:5000, 10mm = 500ft.



M.L.8



Slope Profile

Scale 1:5000, 10mm = 500ft.

DRG. 2A Profiles : Magnetic.
Topographic.



Data collected and contoured by Scintrex Pty Ltd. Dec. '73 - Feb. '74.
Interpretation by J. Irvine, July 1974.

LEGEND

- Gradient Array Lines.
- Moving Source Lines.
- Chargeability Contours in Millivolts/volt.
- Chargeability Low.
- Gradient Block Boundaries.

- Greater than 100 Millivolts/volt.
- 80/100 Mv./v.
- 60/80 Mv./v.
- Less than 20 Mv./v.
- C_2 Chargeable Zones.
- High Chargeability Axes.
- Possible or Inferred Chargeability Axes.

MT. LINDSAY GRID
WEST COAST, TASMANIA

ELECTRICAL INDUCED POLARIZATION
RECONNAISSANCE SURVEY
APPARENT CHARGEABILITY CONTOUR MAP

5 cm

RENISON LIMITED	DRAWN	
MT. LINDSAY AREA	TRACED	
E.I.P RECONNAISSANCE SURVEY	DATE	
APPARENT CHARGEABILITY MAP	SCALE	1:5000
SCALE 1:5,000 METRES 100 0 100 200 300	DRAWING No.	
	MLP 59	

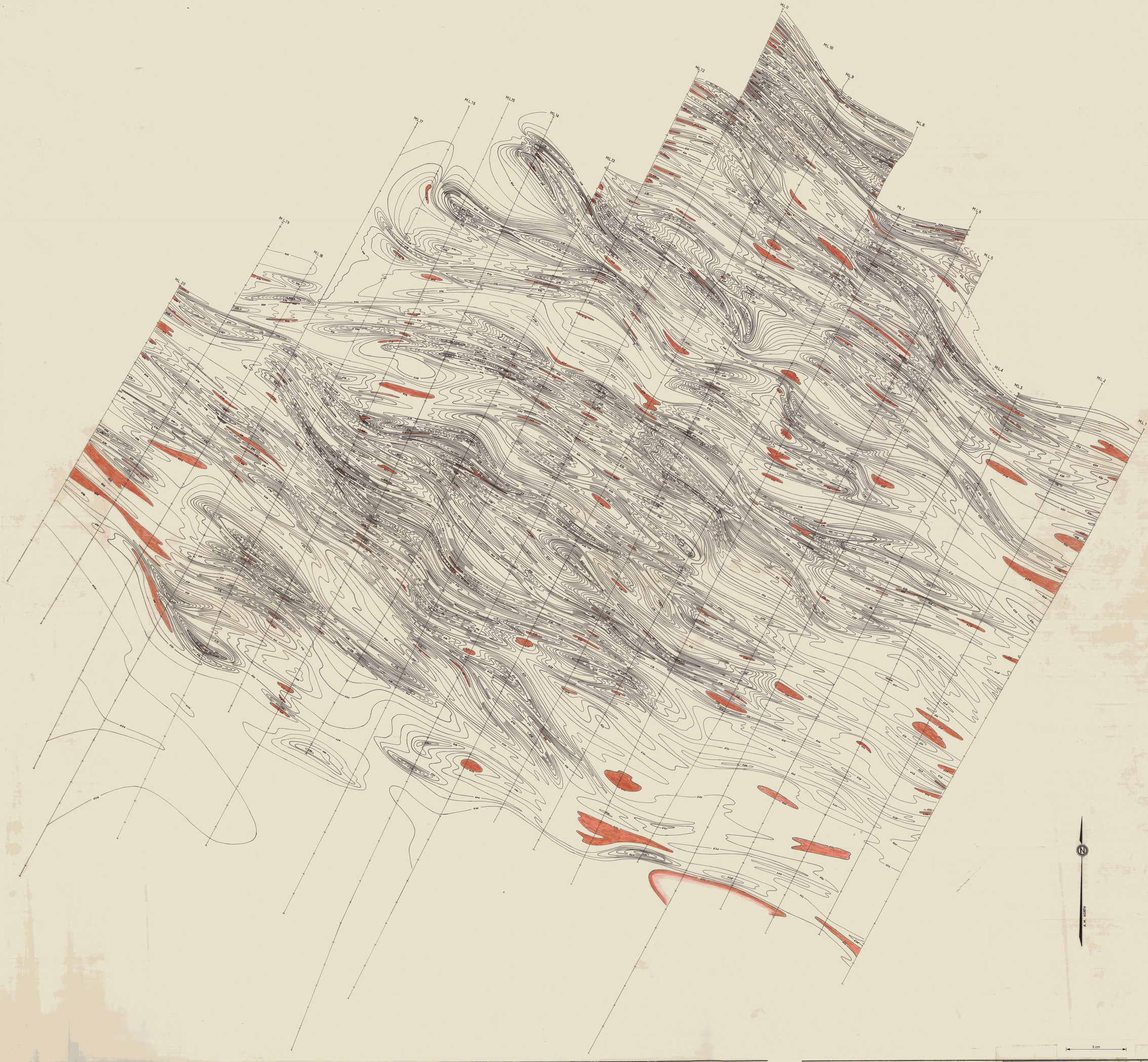
MT. LINDSAY
1:5000
CHARGEABILITY AND INTERPRETATION BY J. IRVINE (1974)
NORTH



NORTH PIEMAN
MT. LINDSAY RESISTIVITY AND INTERP.
1:5000
BY J. IRVINE
(1974)

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

116



LEGEND

To convert contour values to total field add 00.

- 5000 Gammas
- 1000 "
- 200 "
- Magnetic Low

5 cm

RENISON LIMITED	DRAWN
MT. LINDSAY.	TRACED RJP
TOTAL MAGNETIC INTENSITY CONTOURS.	DATE July '74
by J. IRVINE. (consulting geophysicist)	SCALE 1:5000
SCALE. 1:5000 METRES 100 0 100 200 300	DRAWING No.

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

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NORTH PIEMAN
MT. LINDSAY
1:5000
GROUND MAGNETICS CONTOURS
(Irvine, 1974)

Boundary

ML.14 ML.13 ML.12 ML.11 ML.10 ML.9 ML.8 ML.7 ML.6 ML.5 ML.4 ML.3 ML.2 ML.1

Licence

A. M. NORTH

5 cm

LEGEND

To convert contour values to Total field add 00

5000 Gammas.
1000 " .
200 " .
Magnetic Low.

RENISON LIMITED

MT. LINDSAY.

TOTAL MAGNETIC INTENSITY CONTOURS
E.L. 2/63.

SCALE. 1: 5000 METRES.

100 0 100 200 300

DRAWN	
TRACED	RJP
DATE	
SCALE	1 : 5000
DRAWING No.	

MLP 58

NORTH Pitman
MT. LINDSAY GROUND MAGNETICS
1:5000 E.L. 2/63

811

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

Boundary

ML 14 ML 13 ML 12 ML 11 ML 10 ML 9 ML 8 ML 7 ML 6 ML 5 ML 4 ML 3 ML 2 ML 1

Licence

LEGEND

- 5,000 Gammas.
- 1,000 "
- 200 "
- Magnetic Low.
- Magnetic High exceeding 65,000 Gammas.
- 1,000N Traverse Station.
- Interpreted Lineament.
- A Structual Feature.
- Rock Unit Boundary.
- I Rock Unit.

SURVEY SPECIFICATIONS

Reading Interval normally 10m.
To = 62,000 Gammas. Io = -72°. S = 115°.
Contouring By J. Templin, Sydney – July 1974.
Interpretation By J. Irvine, Sydney – July 1974.
Data Collected By Renison Geologists – Summer 1974.
Instrument – G816 Proton Precession.

A.M. NORTH

5 cm

RENISON LIMITED

MT. LINDSAY.
TOTAL MAGNETIC INTENSITY CONTOURS
E.L. 2/63.

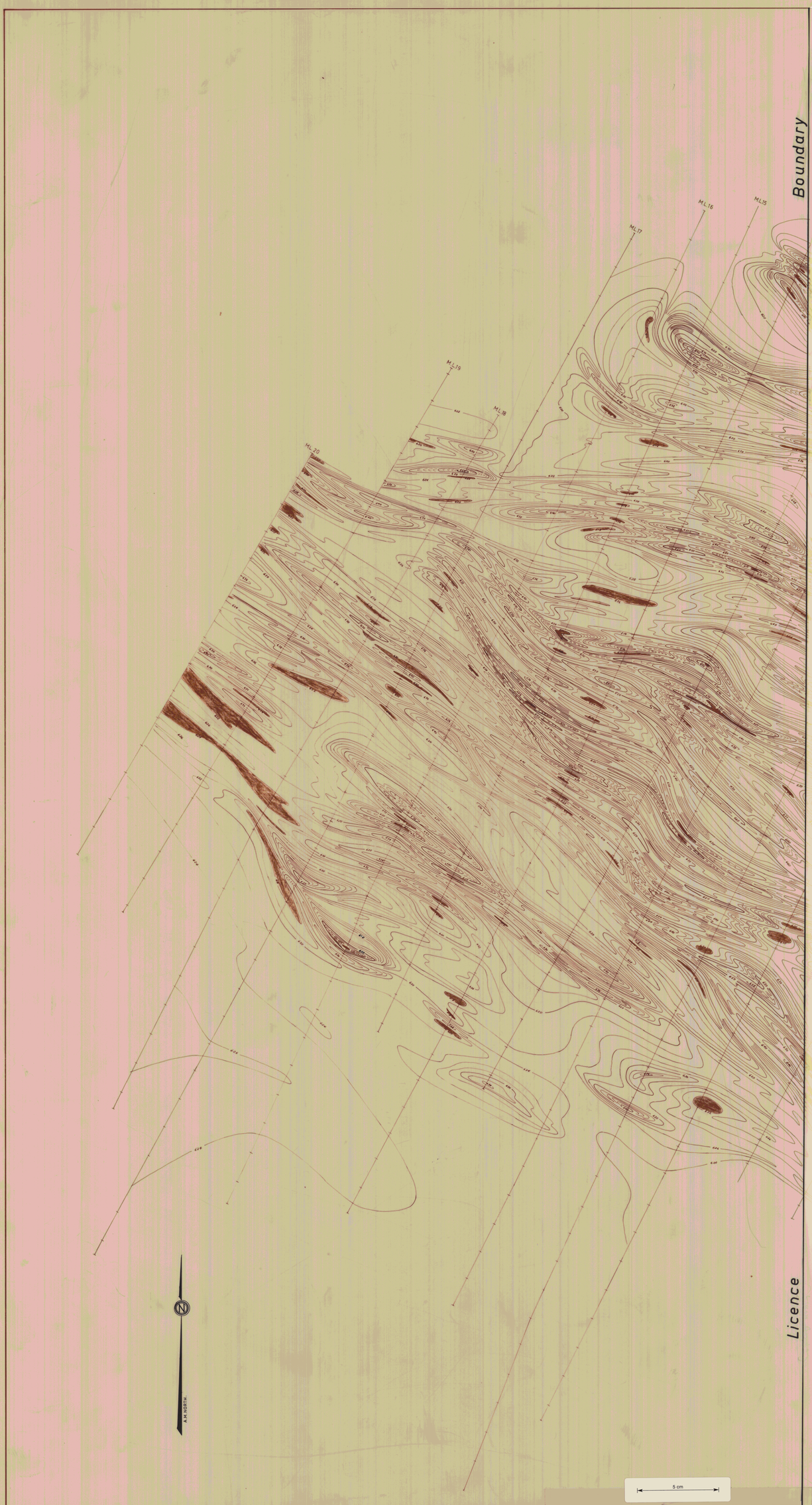
SCALE. 1: 5000 METRES
100 0 100 200 300

DRAWN	
TRACED	RJP
DATE	
SCALE	1 : 5000
DRAWING No.	MLP 57

NORTH PIGEMAN
GROUND MAGNETICS
E.L. 2/63 AND
INTERPRETATION BY
J. IRVINE (1974)
MT. LINDSAY
1:5000

119

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)



LEGEND

To convert contour values to total field add 00.

- 5000 Gammas.
- 1000 "
- 200 "
- Magnetic Low.

Contouring by J. Templin - July 1974.

RENISON LIMITED	DRAWN	
MT. LINDSAY.	TRACED	R.J.P.
TOTAL MAGNETIC INTENSITY CONTOURS	DATE	
E.L.18/73.	SCALE	1:5,000.
	DRAWING No.	
SCALE. 1: 5,000 METRES. 100 0 100 200 300	MLP 56	

NORTH PIEMAN
MT. LINDSAY GROUND MAGNETICS
1:5,000 E.L.18/73
120
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)



LEGEND

- 5,000 Gammas.
- 1,000 "
- 200 "
- Magnetic Low.
- Magnetic High exceeding 65,000 Gammas.
- 1,000N Traverse Station.
- Interpreted Lineament.
- A Structual Feature.
- Rock Unit Boundary.
- I Rock Unit.

SURVEY SPECIFICATIONS

Reading Interval normally 10m.
T_o = 62,000 Gammas. I_o = -72°. S = 115°.
Contouring By J.Templin, Sydney – July 1974.
Interpretation By J.Irvine, Sydney – July 1974.
Data Collected By Renison Geologists – Summer 1974.
Instrument – G816 Proton Precession.

RENISON LIMITED

MT. LINDSAY.

TOTAL MAGNETIC INTENSITY CONTOURS

E.L.18/73.

SCALE. 1: 5000 METRES

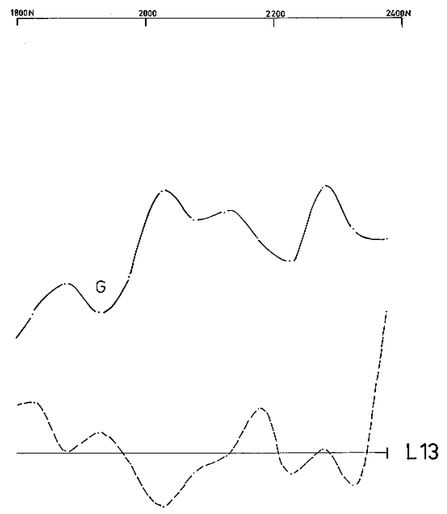
100 0 100 200 300

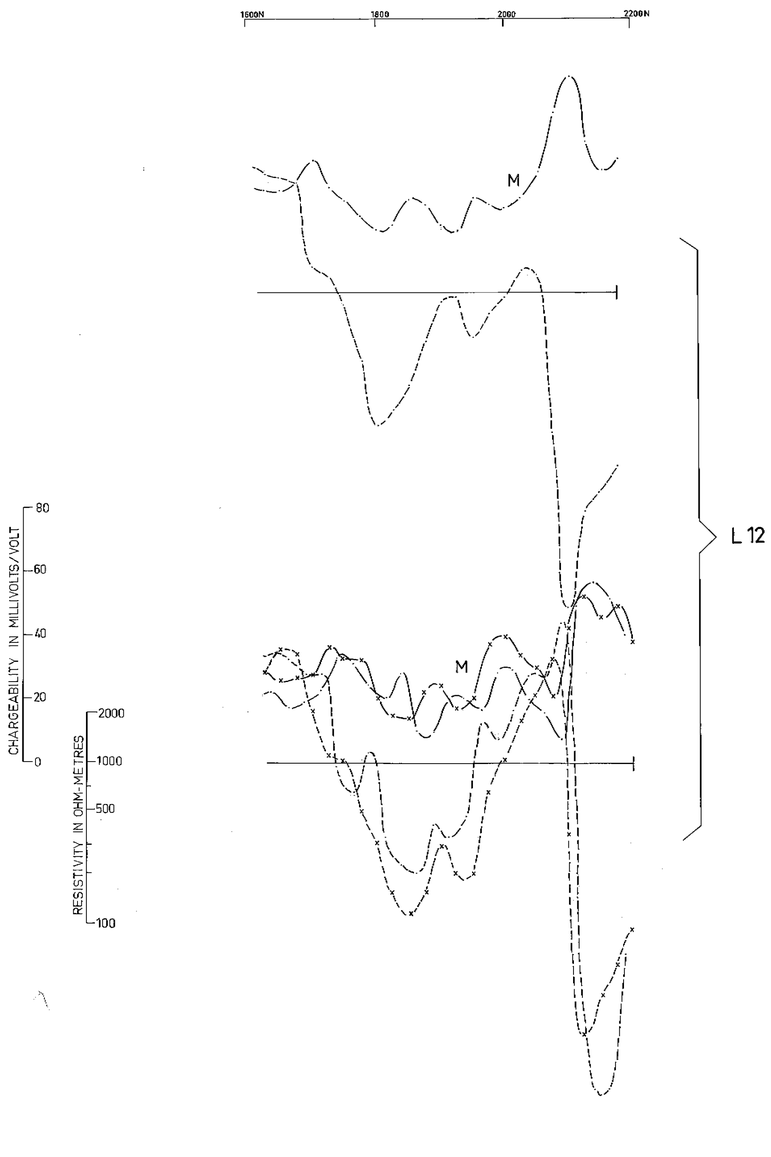
DRAWN	
TRACED	BJP
DATE	
SCALE	1:5000
DRAWING No.	
MLP 55	

NORTH PIEMAN
MT. LINDSAY GROUND MAGNETICS
1:5000 E.L.18/73
WITH GEOPHYSICAL INTERPRETATION BY J. IRVINE (1974)

121

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)





LEGEND

CHARGEABILITY SCALE : 1 cm. = 10 Millivolts/volt.
BASE LEVEL = 0 Millivolts/volt.
SYMBOL = ·——·——· M_3
Subscript denotes slice presented

RESISTIVITY SCALE : 5 cm. = 1 Logarithmic cycle
BASE LEVEL = 1000 Ohm-metres
SYMBOL = ·— — ·— — ·

G = Gradient

M = Moving Source

E.L. 2/63
MT. LINDSAY GRID

ELECTRICAL INDUCED POLARIZATION RECONNAISSANCE SURVEY DATA PROFILES

DEC. 1973 – FEB. 1974

100 0 100 200 metres
Scale 1:5000

5 cm

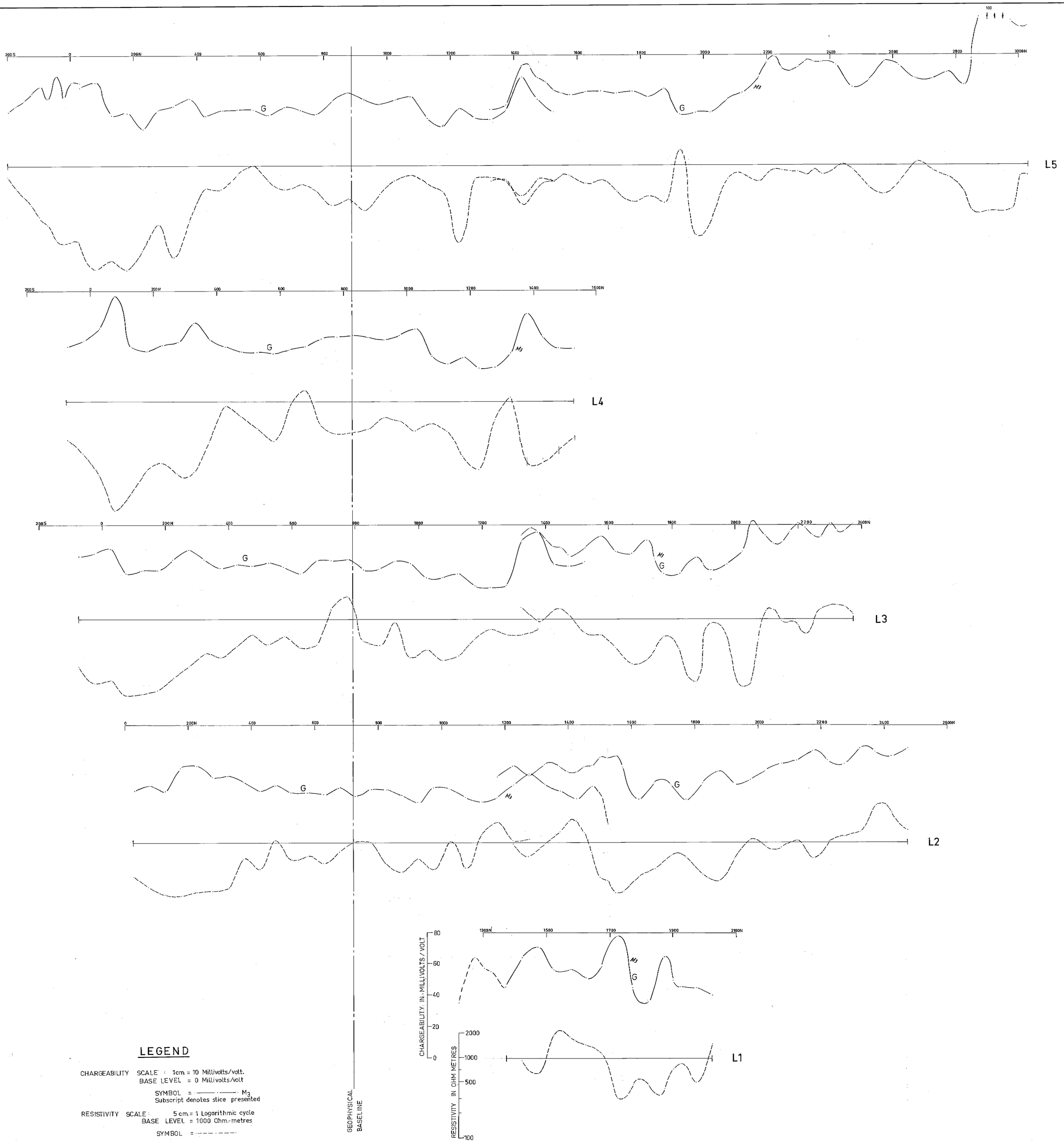
SHEET 3 of 3 PLATE 1

MLP 63

NORTH PIGMAN
MT. LINDSAY E.L.2/63
1:5000 STACKED PROFILES
(1973-74)

122

82 – 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)



LEGEND

CHARGEABILITY SCALE : 1cm. = 10 Millivolts/volt.
BASE LEVEL = 0 Millivolts/volt

SYMBOL = ——·——·—— M_3
Subscript denotes slice presented

RESISTIVITY SCALE : 5 cm. = 1 Logarithmic cycle
BASE LEVEL = 1000 Ohm.-metres

SYMBOL = ----·----·----

G = Gradient

M = Moving Source

E.L. 2/63
MT. LINDSAY GRID

ELECTRICAL INDUCED POLARIZATION RECONNAISSANCE SURVEY DATA PROFILES

DEC. 1973 – FEB. 1974

100 0 100 200 metres
Scale 1 : 5000

5 cm

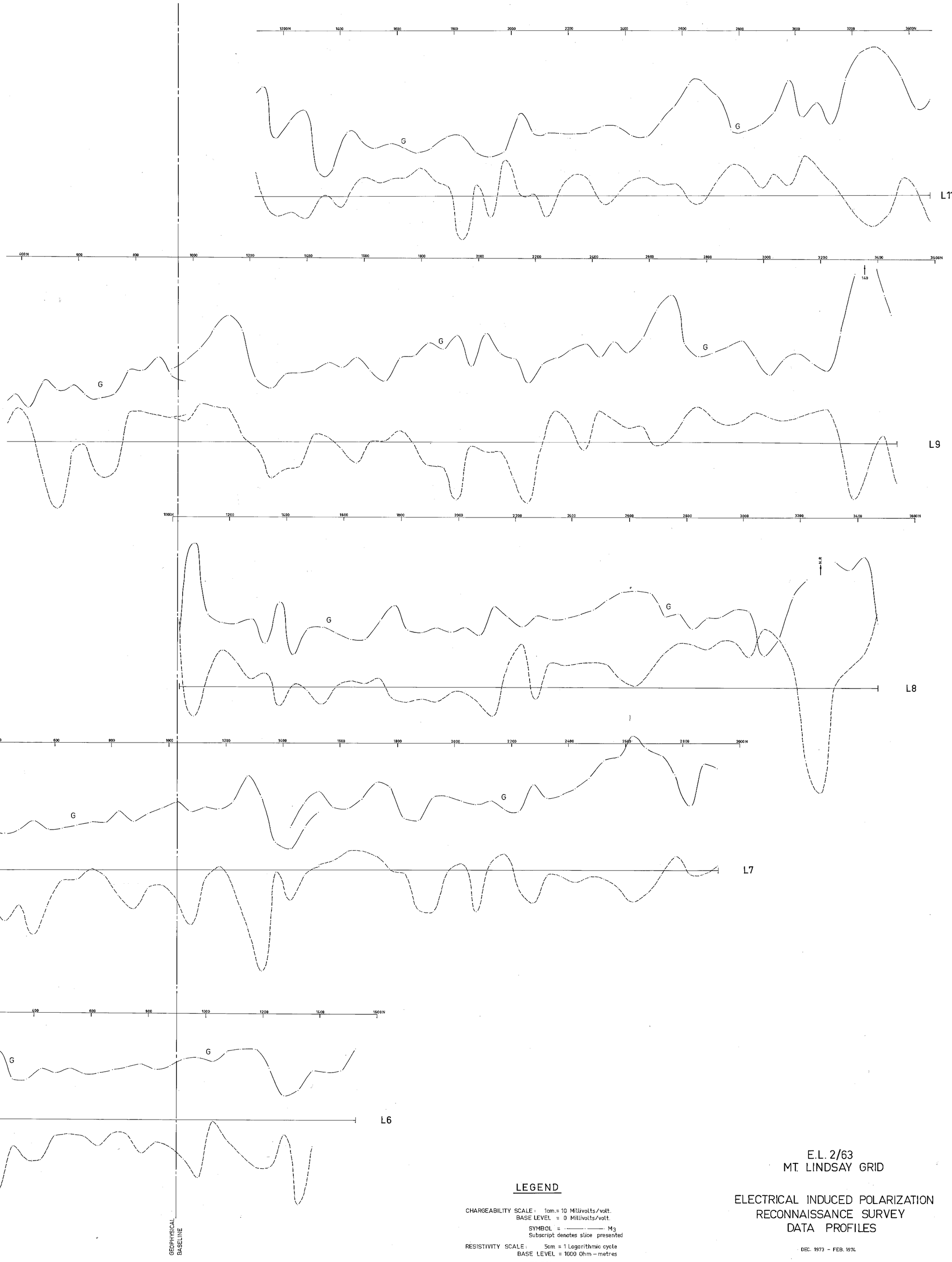
SHEET 1 of 3 PLATE 1

MLP 65

NORTH PLUNGE
MT. LINDSAY
1:5000
E.L. 2/63
E.R. STACKED
PROFILES
(1973-74)

123

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)



LEGEND

CHARGEABILITY SCALE : 1cm.= 10 Millivolts/volt.
BASE LEVEL = 0 Millivolts/volt.

SYMBOL = ·———·———· M_3
Subscript denotes slice presented

RESISTIVITY SCALE : 5cm = 1 Logarithmic cycle
BASE LEVEL = 1000 Ohm-metres

SYMBOL = ·—·—·—·

G = Gradient

M = Moving Source

E.L. 2/63
MT. LINDSAY GRID

ELECTRICAL INDUCED POLARIZATION RECONNAISSANCE SURVEY DATA PROFILES

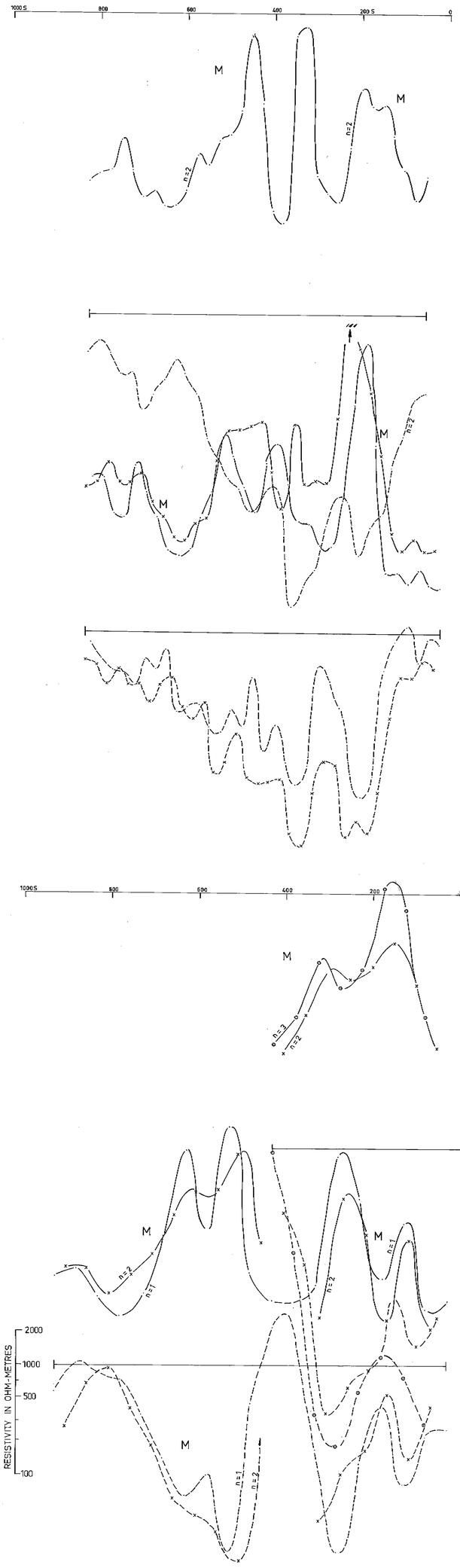
DEC. 1973 - FEB. 1974

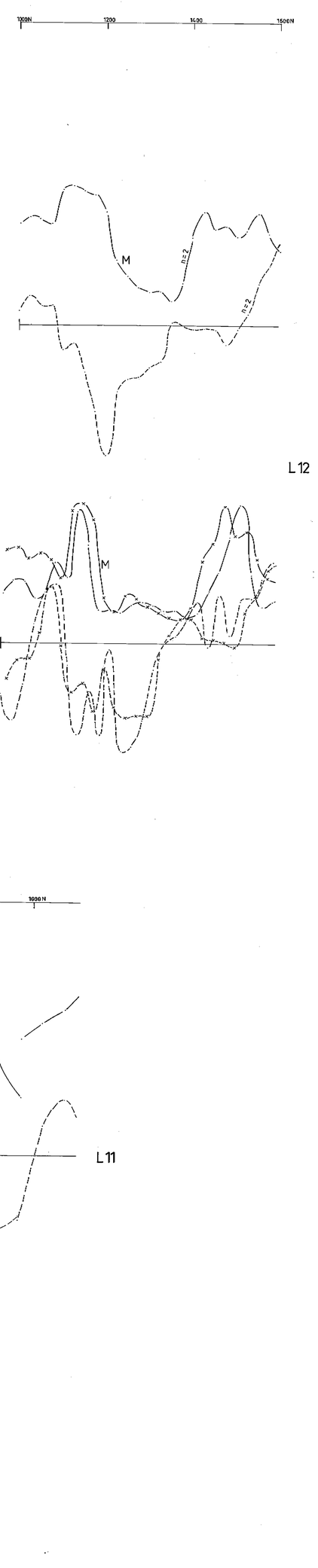
100 0 100 200 metres
Scale 1:5000

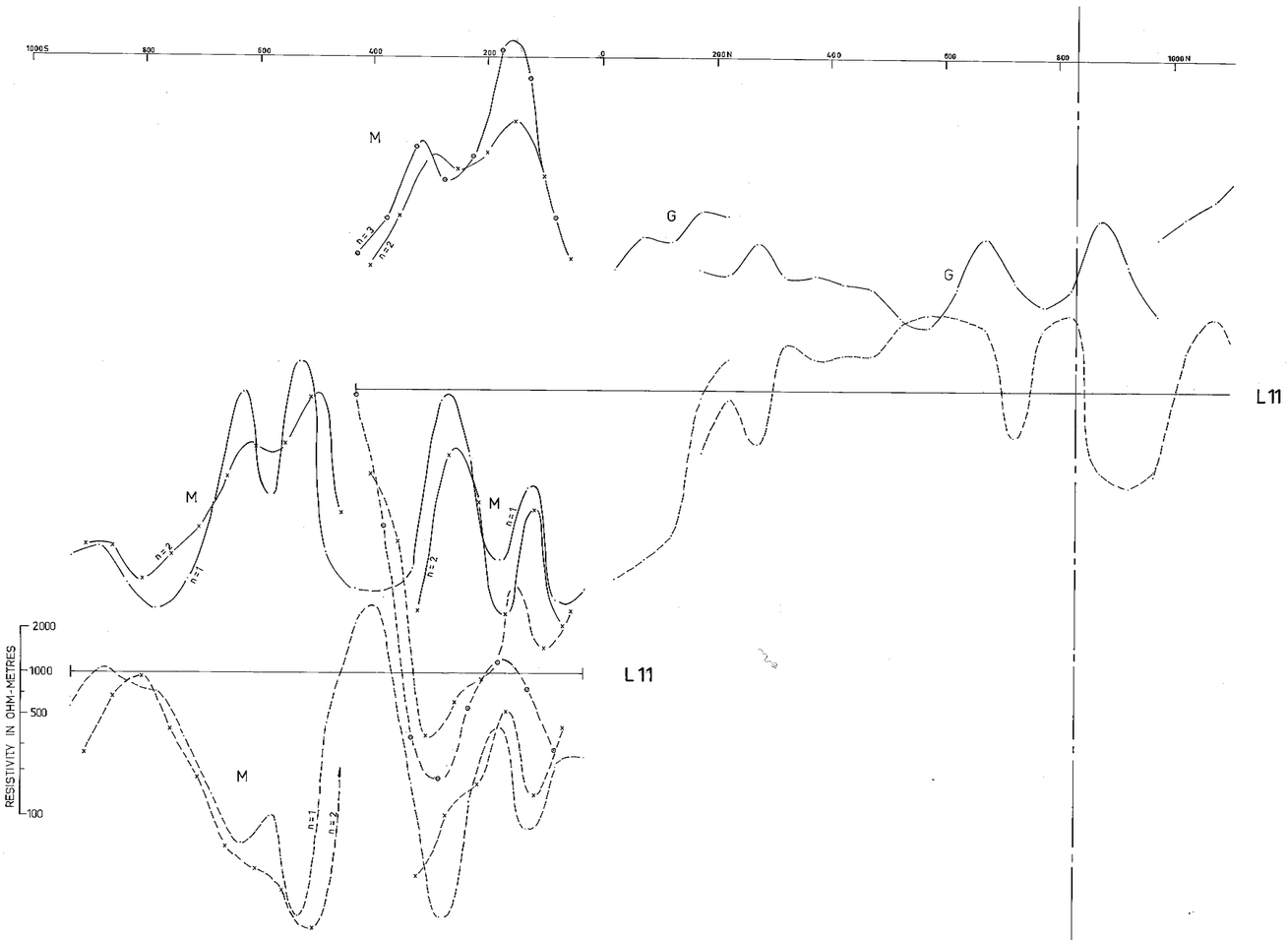
5 cm

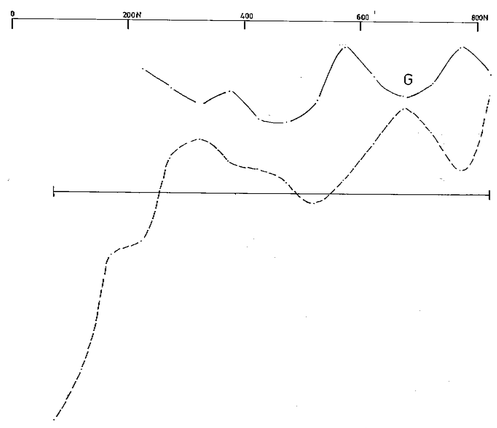
SHEET 2 of 3 PLATE 1 MLP 64

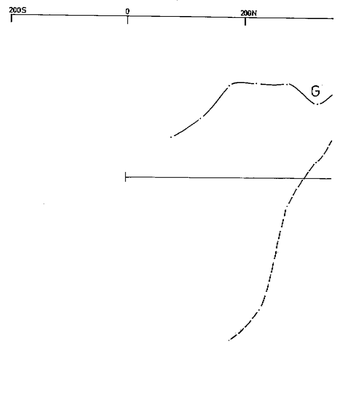
NORTH PIGMAN E.L. 2/63
MT. LINDSAY STACKED
1:5000 PROFILES
L1423-24(
12A
(E.L. 2/63 & E.L. 18/73)
Mt. Lindsay
65 - 2425











LEGEND

CHARGEABILITY SCALE : 1 cm. = 10 Millivolts/volt.
BASE LEVEL = 0 Millivolts/volt.
SYMBOL = ·——·——· M_3
Subscript denotes stice presented

RESISTIVITY SCALE : 5cm. = 1 Logarithmic cycle
BASE LEVEL = 1000 Ohm-metres
SYMBOL = ——·——·——

G = Gradient

M = Moving Source

GEOPHYSICAL BASELINE

E.L.18/73
MT. LINDSAY GRID

ELECTRICAL INDUCED POLARIZATION RECONNAISSANCE SURVEY DATA PROFILES

DEC. 1973 – FEB 1974.

100 0 100 200 metres
Scale 1:5000

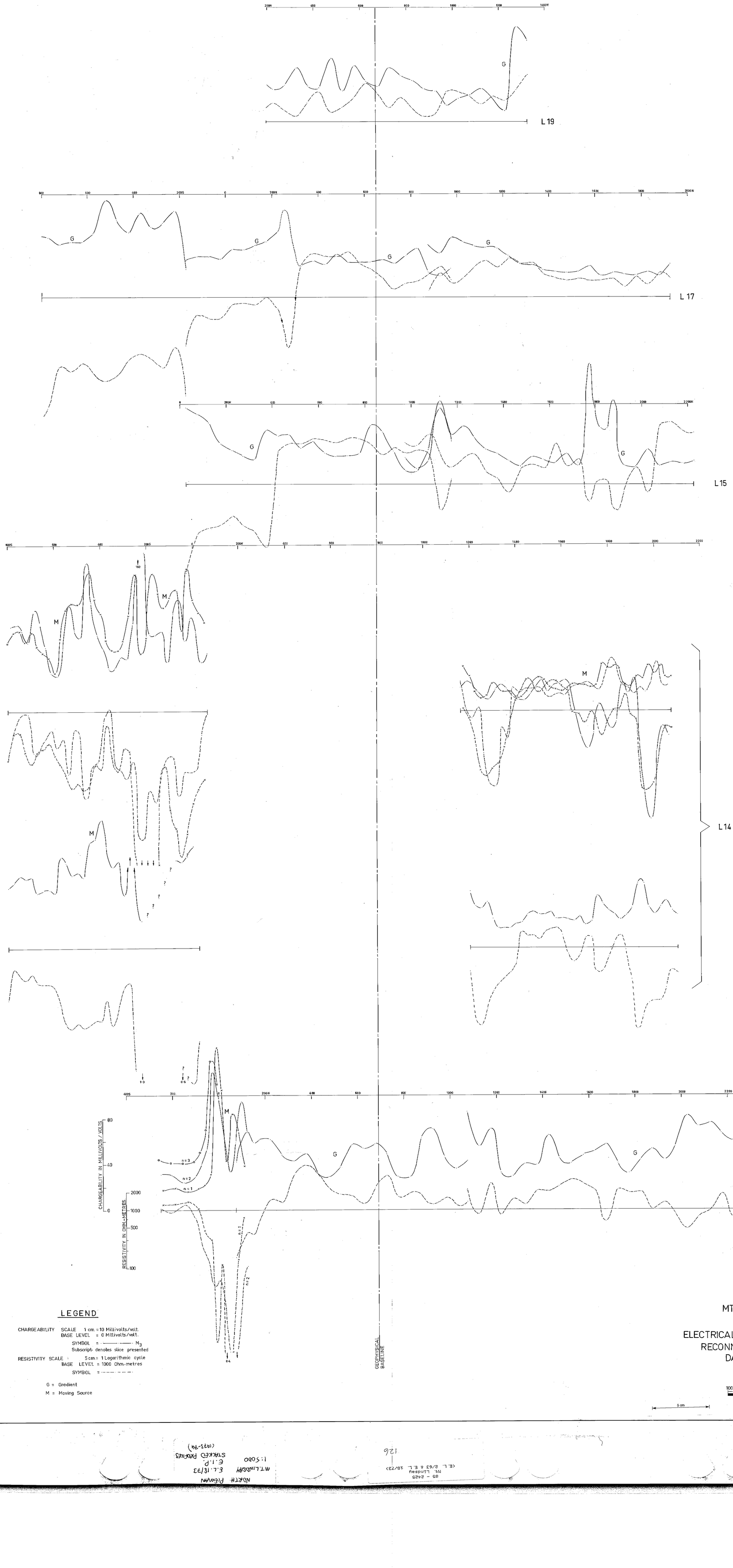
5 cm

SHEET 1 of 2. PLATE 1

MLP 62

85 – 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
125

MT. LINDSAY
E.L.18/73
1:5000
STACKED PROFILES
(1975-7th)



LEGEND

CHARGEABILITY SCALE 1 cm. = 10 Millivolts/volt.
BASE LEVEL = 0 Millivolts/volt.
SYMBOL = M_3
Subscript denotes slice presented

RESISTIVITY SCALE : 5 cm = 1 Logarithmic cycle
BASE LEVEL = 1000 Ohm-metres
SYMBOL = ----

G = Gradient
M = Moving Source

E.L. 18/73
MT. LINDSAY GRID

ELECTRICAL INDUCED POLARIZATION RECONNAISSANCE SURVEY DATA PROFILES

DEC. 1973 – FEB 1974

100 0 100 200 metres
Scale 1:5000

5 cm

SHEET 2 of 2 PLATE 1

MLP 61

NORTH PEGMAN
MT. LINDSAY E.L. 18/73
1:5000 E.L.P.
STACKED PROFILES
(1973-74)

126
85 – 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

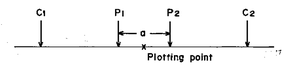
LEGEND

Chargeability contours in Millivolts / volt.

Grid lines { 1973/74 season TAS.019B ——— a = 50m.
1974/75 season TAS.028 ——— a = 25m.

Gradient block boundary ——— · ———

GRADIENT ARRAY



Line 19
Line 18
Line 17
Line 16
Line 15
Line 14
Line 13
Line 12
Line 11
Line 10
Line 9
Line 8
Line 7
Line 6
Line 5
Line 4
Line 3
Line 2
Line 1

RENISON LIMITED

MT. LINDSAY GRID

WEST COAST
TASMANIA

ELECTRICAL INDUCED POLARIZATION
REVISED RECONNAISSANCE SURVEY

APPARENT CHARGEABILITY CONTOUR MAP

SURVEYED AND COMPILED BY
SCINTREX PTY LTD
MARCH 1975

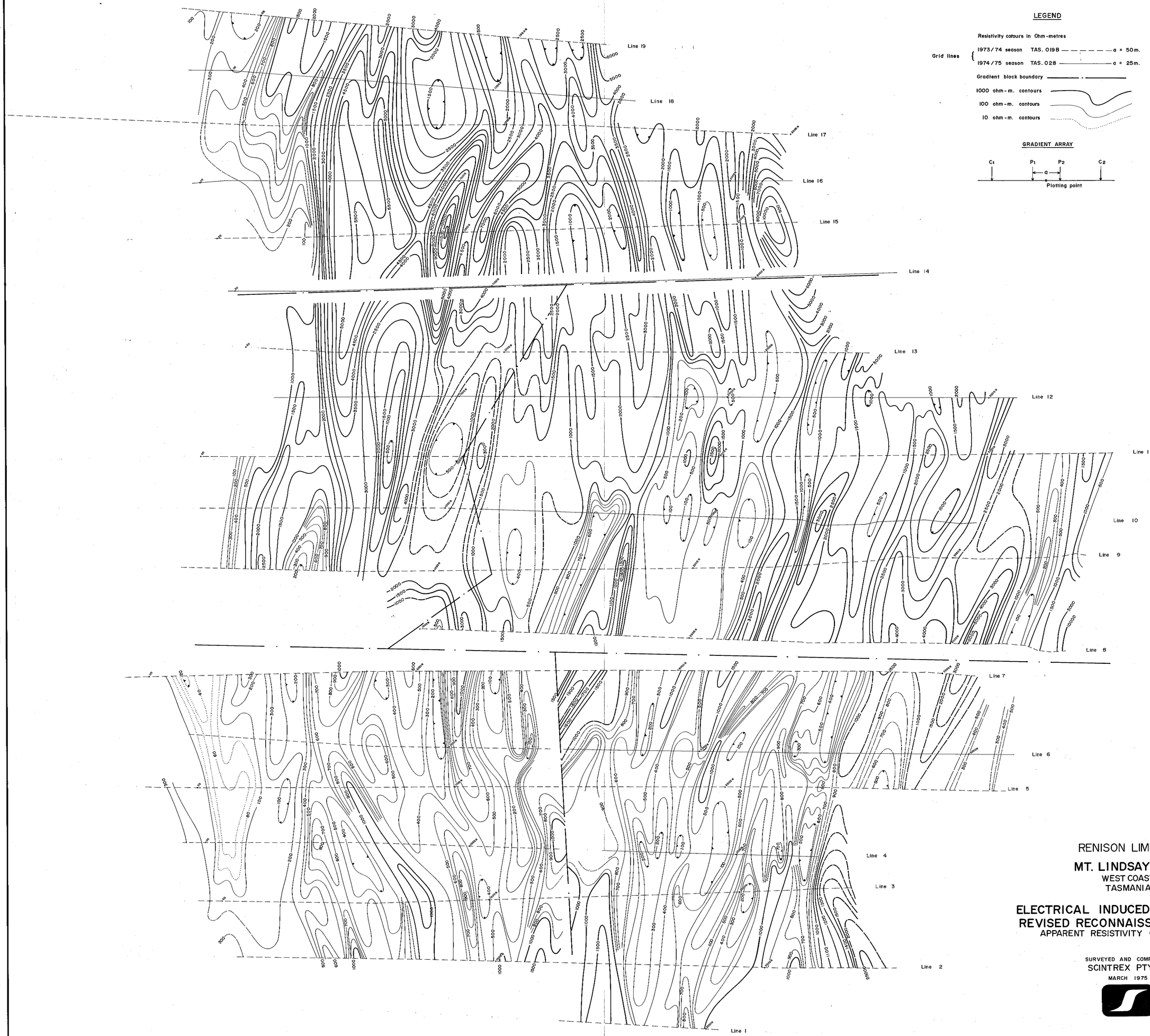
1 : 5000

200 0 200 400
SCALE IN METRES

5cm

MLP 66
JOB No. TAS. 028 SHEET 1 OF 1 PLATE 3.

MT. LINDSAY GRID
85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
127
NORTH PLYMAN
MT. LINDSAY
1:6000
E.I.P. REVISED
ECONN. SURVEY
CHARGEABILITY
(1975)



LEGEND

Resistivity colours in Ohm-metres

Grid lines { 1973/74 season TAS. 019B — — — — a = 50m.
1974/75 season TAS. 028 ——— a = 25m.

Gradient block boundary ——— · ———

1000 ohm-m. contours

100 ohm-m. contours

10 ohm-m. contours .....

GRADIENT ARRAY

RENISON LIMITED

MT. LINDSAY GRID

WEST COAST
TASMANIA

ELECTRICAL INDUCED POLARIZATION
REVISED RECONNAISSANCE SURVEY

APPARENT RESISTIVITY CONTOUR MAP

SURVEYED AND COMPILED BY
SCINTREX PTY LTD
MARCH 1975

1 : 5000

200 0 200 400
SCALE IN METRES

6 cm

MLP 67

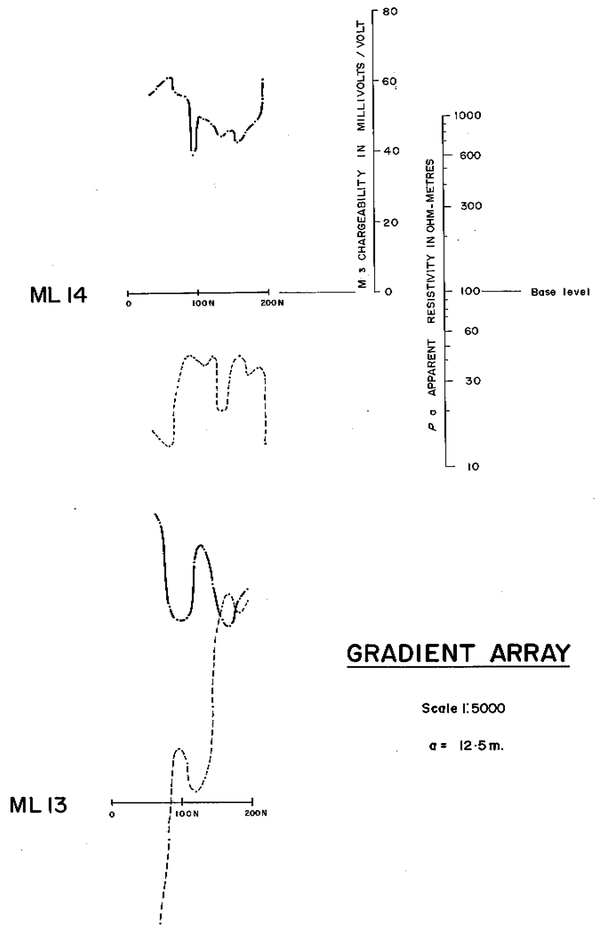
JOB No. TAS. 028 SHEET 1 OF 1 PLATE 2

MT. LINDSAY GRID

(E.L. 2/63 & E.L. 18/73)
Mt. Lindsay
88 - 2825

128

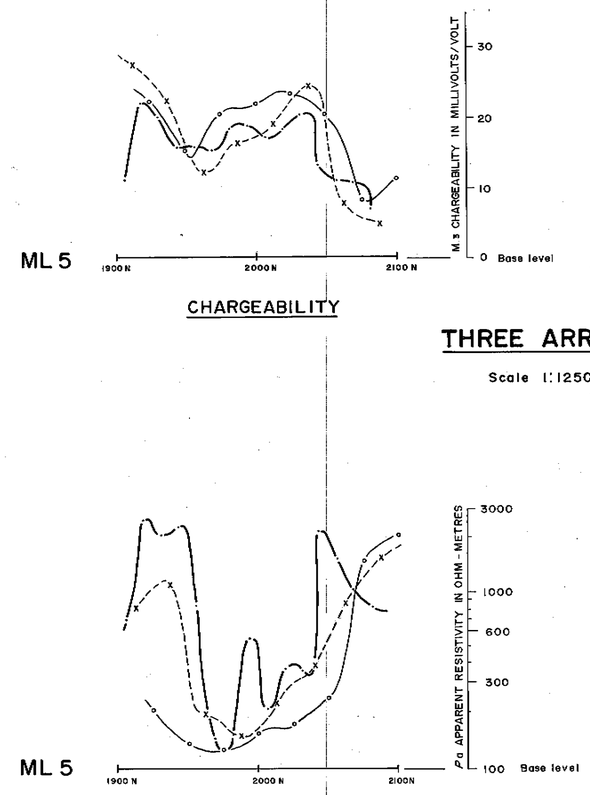
NORTH PENMAN
MT. LINDSAY E.I.P. REVISED
1:5000 & RECONN. SURVEY
RESISTIVITY
(1974)



GRADIENT ARRAY

Scale 1:5000

a = 12·5m.



CHARGEABILITY

APPARENT RESISTIVITY

THREE ARRAY

Scale 1:1250

LEGEND

CHARGEABILITY

GRADIENT ARRAY

Scale 1cm. = 10 millivolts / volt

Base level = 0 millivolts / volt

Ma = ·—·—·—·—·

THREE ARRAY

Scale 1cm. = 5 millivolts / volt

Base level = 0 millivolts / volt

Ma = ·—·—·—·—· a = 12·5 m.

x---x---x---x---x a = 25 m.

o—o—o—o—o a = 50 m.

APPARENT RESISTIVITY

GRADIENT ARRAY

Scale 5cm. = 1 logarithmic cycle

Base level = 100 ohm-metres

Pa = ·-·-·-·-·-·-·-·-·

THREE ARRAY

Scale 5cm. = 1 logarithmic cycle

Base level = 100 ohm-metres

Pa = ·—·—·—·—· a = 12·5 m.

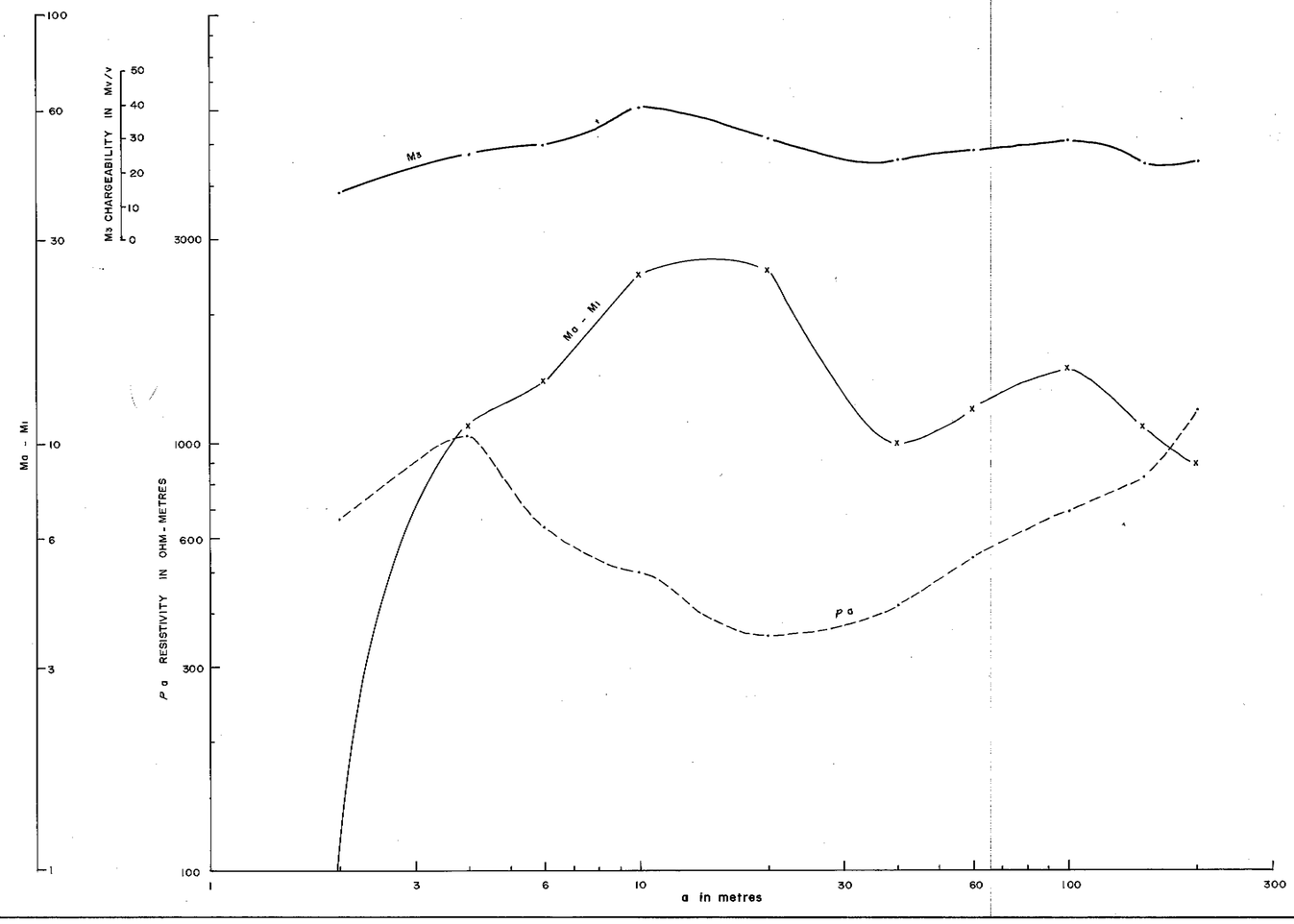
x--- x---x---x---x a = 25 m.

o—o—o—o—o a = 50 m.

SCHLUMBERGER EXPANDER

at 1850 N on LINE ML16

Grid N-S Direction



5 cm

RENISON LIMITED

MT. LINDSAY GRID

WEST COAST
TASMANIA

ELECTRICAL INDUCED POLARIZATION DETAILED SURVEY

DATA PROFILES

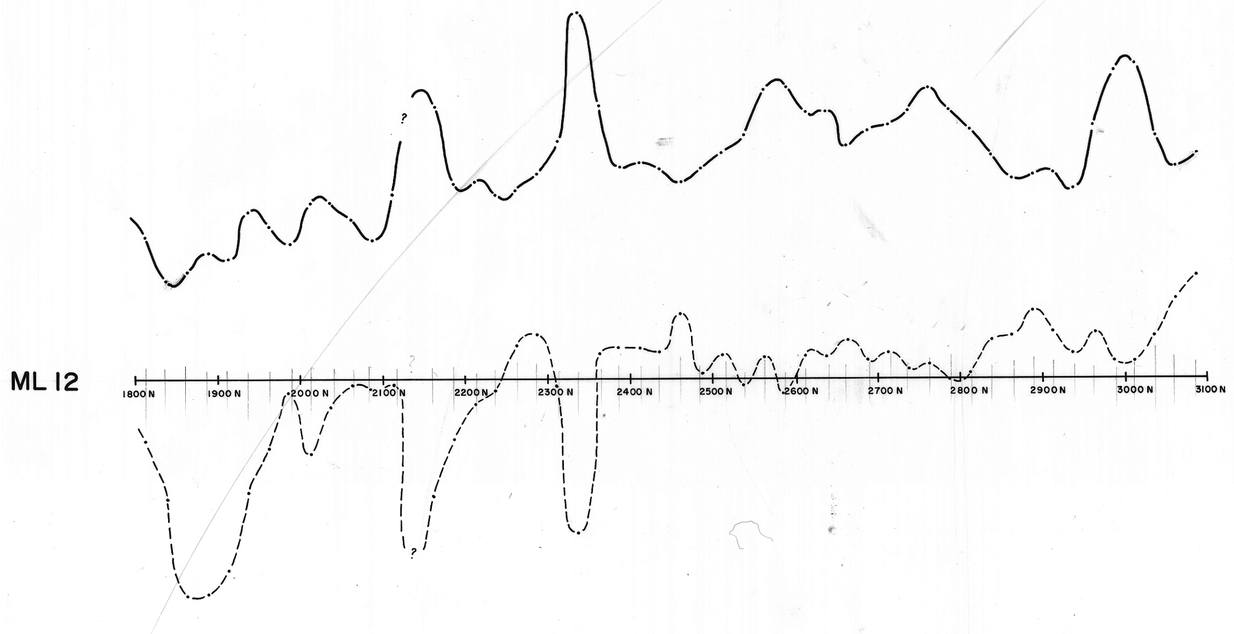
SURVEYED AND COMPILED BY
SCINTREX PTY LTD
MARCH 1975

MLP 69
JOB No. TAS.028 SHEET 1 OF 1 PLATE 4

NORTH RIGMAN
MT. LINDSAY E.I.P.
1:5000 STACKED PROFILES
(Schmack, 1975)

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
129

MT. LINDSAY



LEGEND

CHARGEABILITY

SCALE - 1cm = 10 Millivolts / volt

Base level = 0 Millivolts / volt

M_3 = ·—·—·—·—·

SUBSCIPT DENOTES SLICE PRESENTED

APPARENT RESISTIVITY

SCALE - 5cm.= 1 Logarithmic cycle

Base level = 1000 Ohm-metres

P_a = ·---·---·---·---·

RENISON LIMITED

MT. LINDSAY GRID

WEST COAST

TASMANIA

ELECTRICAL INDUCED POLARIZATION SURVEY

DATA PROFILES

SURVEYED AND COMPILED BY

SCINTREX PTY LTD

MARCH 1975

1 : 5000

200 0 200 400

SCALE IN METRES

5 cm

MLP 68

JOB No. TAS. 028 SHEET 1 OF 1 PLATE 1

MT. LINDSAY

130

85 - 2425
Mt. Lindsay
(E. L. 2/63 & E. L. 18/73)

North Pieman E. I. P.
Mt. Lindsay Stacked
1 : 5000 Profiles
(Scintrex, 1975)

W

E

Total field 1cm = 200γ

105W

granite

105W

104E

104E

103W

103W

102E

102E

101W

101W

100E

100E

99W

99W

98E

HM 25a

98E

97W

97W

96E

HM22

HM25b

HM29

95W

96E

94E

95W

HM24

HM23

92E

94E

93W

93W

91W

92E

91W

90E

90E

89W

89W

88E

88E

86E

87W

87W

86E

85W

85W

5 cm

RENISON LIMITED

E.L.2/63 JOINT VENTURE.

MT. LINDSAY AREA.

AIRMAG. STACKED PROFILES.

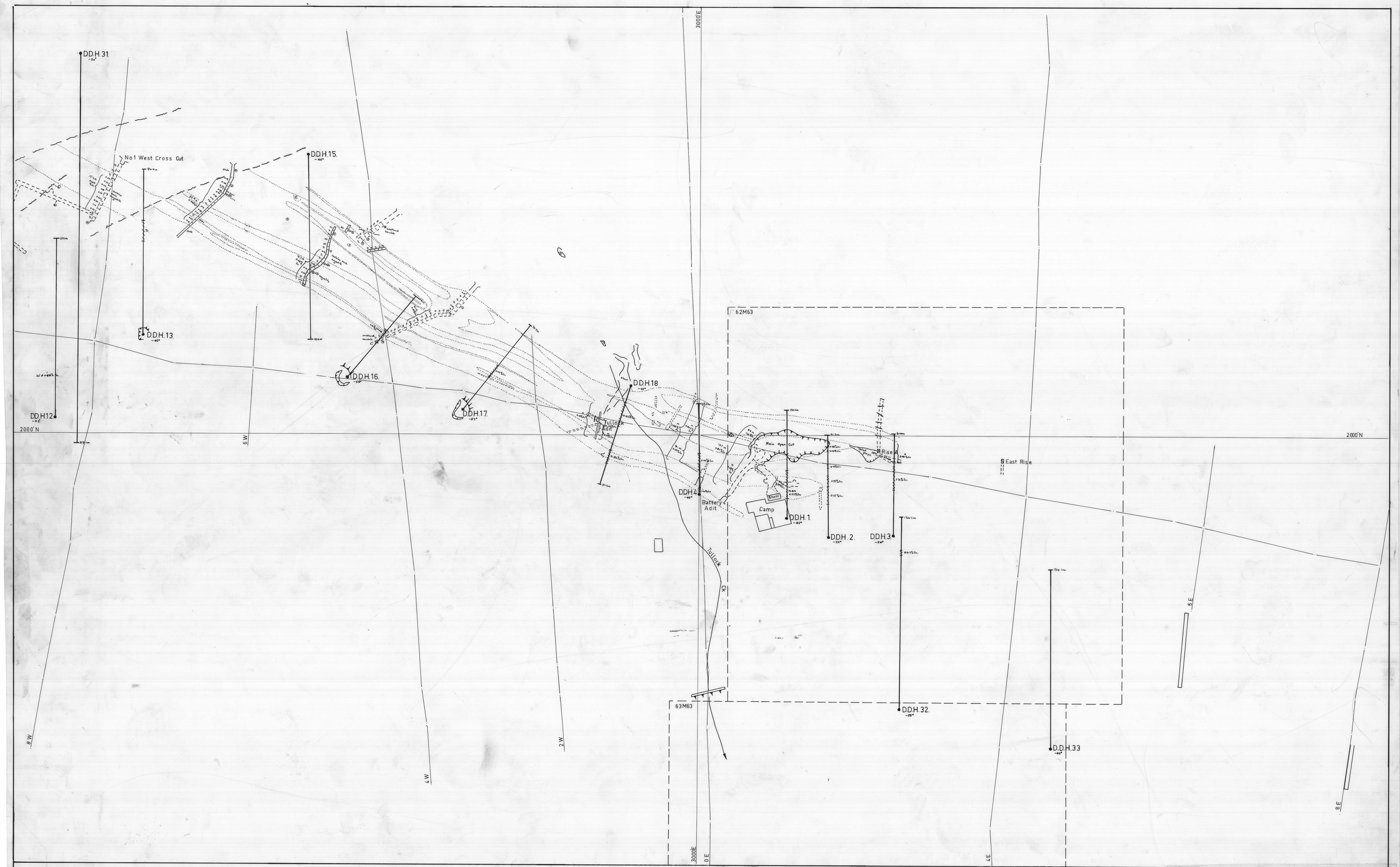
HORIZ. SCALE. 1: 13000 METRES

DRAWN	
TRACED	R. J. P.
DATE	10/8/73
SCALE	1:13,000
DRAWING No.	
	MLP 102

NORTH BRUNEN
GENERAL AIR MAGNETICS
STACKED
1:13,000
PROFILES

131

85 - 2485
Mt. Lindsay
(E.L. 2/63 & E.L. 18/72)



KEY

Geology.

- (1) More than 50% sulphides - mostly pyrite and pyrrhotite. Some marcasite and chalcopyrite. May also contain magnetite and hornblende.
- (2) Slates - may contain decomposed hornfels.
- (3) Fresh hornfels.
- (4) Earthy limonitic gossan
- (5) Banded limonitic gossan
- (6) Haematitic gossan
- (7) Siliceous gossan

- Grid lines
- Surface Workings
- Underground workings
- Zone of mineralisation
- Fault
- Drill hole
- 1.7%Sn Drill hole assays
- 1.7%Sn Channel sample assays
- 1.7%Sn Composite assays.

Geochemical Sampling

- Nil
- 0.01 - 0.09 % Sn
- 0.10 - 0.19 % Sn
- 0.20 - 0.49 % Sn
- more than 0.5 % Sn

RENISON LIMITED

5 cm

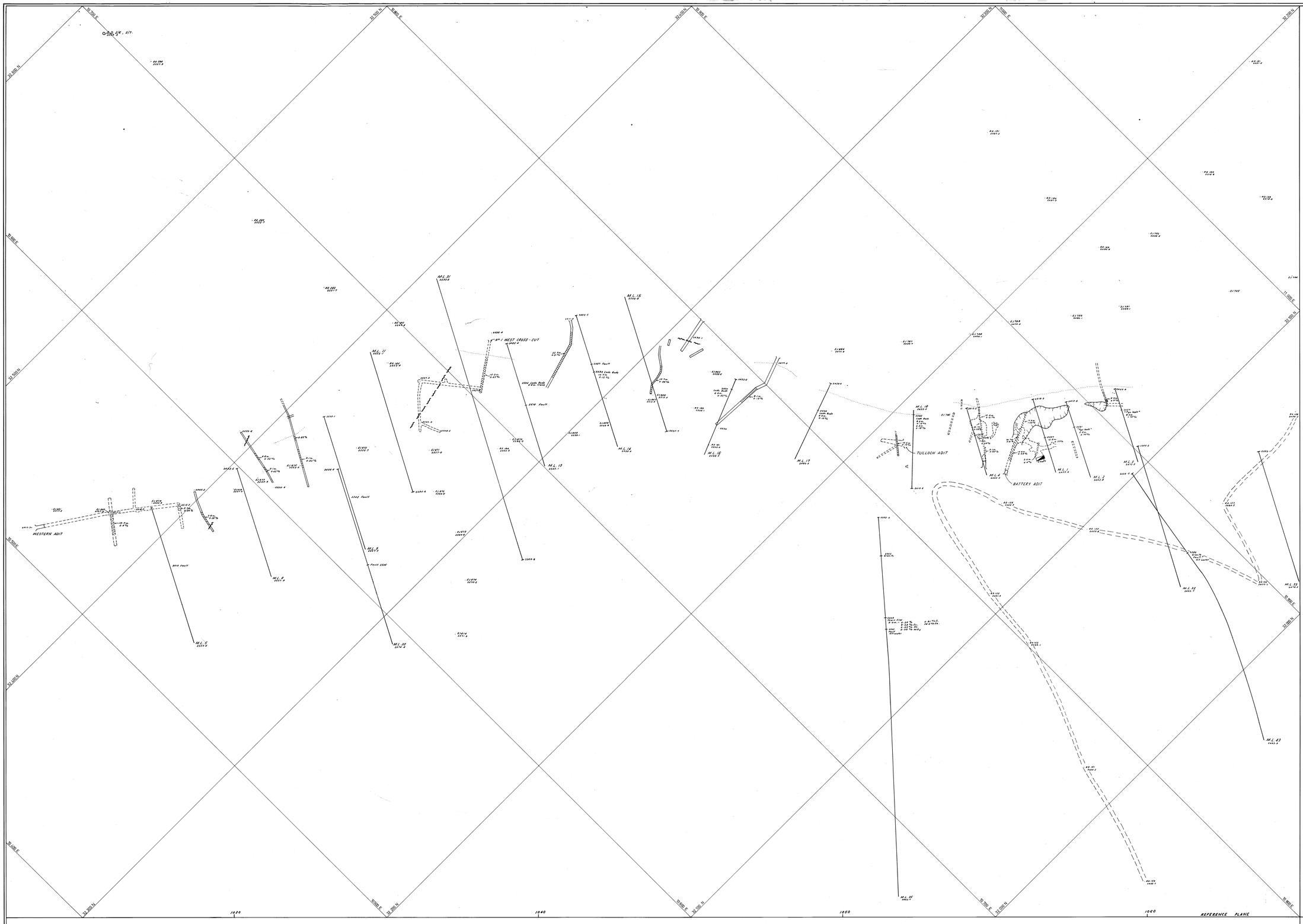
SCALE. 1:500 METRES

10 0 10 20 30

DRAWN	RRS
TRACED	RRS
DATE	May 73
SCALE	1:500
DRAWING No.	
MLP 116	

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
132

NORTH PIEMAN
MT. LINDSAY
1:500
DRILLING RESULTS, MINE AREA MAP 2
(1973)



LEGEND

-RD.157 5868.8	Surface survey station and R.L.
5833.5 M.L. 32 5868.7	Plan projection of D.D.H. showing collar and end of hole R.L.'s and R.L.'s of relevant features intersected N.B. All assay data shown are Aberfoyle except D.D.H. 35 & D.D.H. 43.
	Surface F.W. contours of lode.
	Lode material exposed in surface trench or underground opening.
	Observed Fault.
	Track

N.B. ALL ASSAY DATA o/a 5m. unless otherwise stated.

M.G.N. T.N. A.M.N. M.N.

5 cm

RENISON LIMITED

MT. LINDSAY MAIN LODE

GEOLOGIST	: A.F. Ross	SCALE 1:500 METRES
DRAUGHTSMAN	: F.A. Colson	10 0 20 40
DATE	: Feb. '78	
REVISIONS	:	DRAWING No. M.L.P. 120

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

133

NORTH PIEMAN
MT. LINDSAY MAIN LODE
AREA
DRILLING RESULTS
1:500

1030 1040 1050 1060

2600 m
2550 m
2500 m
2450 m
2400 m
2350 m
2300 m
2250 m

Up to 160ppm Sn, 10ppm WO_3, 80ppm Cu, 3200ppm As in soil geochemistry sampling survey.
LINE 13·5

Up to 640ppm Sn, 45ppm WO_3, 780ppm Cu, 5900ppm As in soil geochemistry sampling survey.
LINE 13

Up to 900ppm Sn, 135ppm WO_3, 1420ppm Cu, 1900ppm As in soil geochemistry sampling survey.
LINE 12·5

Up to 1720ppm Sn, 1380ppm WO_3, 3200ppm Cu, 2115ppm As. in soil geochemistry sampling survey.
LINE 12

Up to 370ppm Sn, 320ppm WO_3, 2775ppm Cu, 1152ppm As. in soil geochemistry sampling survey.
LINE 11·5

WESTERN ADIT
10·7m–0·4 Sn
7·6m–0·26 Sn in H.W.
10·2m–0·35 Sn incl. 4·6m–0·52 (F.W.) 2·1m–0·52 (H.W.)
15·2m – 0·38 Sn incl. 1·5m–0·83 (F.W.) 2·1m–0·52 (H.W.)
Few details 16·5m–0·06 Sn
Lode not intersected ? See details ? 4·6m–0·17 Sn
Banded magnetite & sul. supphides 15cm wide including 7·0m–1·72 Sn & 3·0m–0·28 Sn
Lode beds 40m wide ? including 1·5m – 0·33 Sn & 3m – 0·18 Sn
Magnetite – carbonate rock 2·5m wide including 2·5m–0·67 Sn 2·2m–0·57 Sn 2·2m–0·42 Sn 2·2m–0·42 Sn
FAULT GAP
No. 1 WEST F-CUT
15·2m–0·45 Sn
Should have intersected main lode around this R.L.
Entered lode F.W. at 198·2m and stopped in mine. Indicates 1·5m–0·18 Sn
This zone may correlate with that of D.D.35, i.e. possibly nst main lode – dips not steep enough.
Lode may be faulted N.E. of part ? 60·6m trace only
22·5m – 0·31 Sn
20m Trace incl. 10·7m–0·08 Sn in H.W.
28·6m Trace incl. 9·1m–0·08 Sn in centre of zone
This hole probably drilled with dip of lode or entered a fault gap.
Lode beds 10·7m wide, 0·12 Sn. Lode F.W. may be displaced by fault
FAULT – SUPERSTITIONS
RENISON ASSAY
19·2m – 0·25 Sn
0·17 Cu
0·10 As
0·01 Mo
0·01 WO_3
31·8 Fe
Lode beds 16·8m wide including 4·8m–0·05 Sn
Lode beds 12·6m wide including 4·3m–0·12 Sn
16·1m–0·13 Sn
TULLOCH ADIT
TULLOCH CREEK
RENISON ASSAY
28·6m – 0·24 Sn
0·06 Sol. Sn
0·08 Cu
0·13 As
0·01 Mo
0·01 WO_3
35·6 Fe
Lode beds 15m wide including 8·2m–0·15 Sn & 4·9m–0·19 Sn
23·1m–0·59 Sn
20·7m–0·81 Sn
3·4m–4·43 Sn in F.W.
Stann. zone ? 12·6m–0·77 Sn
Stann. zone ? 24m – 0·23 Sn including 9·0m–0·75 Sn
14·6m – 4·15 Sn in F.W. hornfels.
Stann. zone ? 21·6m–1·10 Sn including 8·6m–1·75 Sn Possibly faulted.
Stann. zone ? 23·2m–0·13 Sn. including 7·6m–0·24 Sn
OPEN CUT
EAST RISE
BATTERY ADIT
RENISON ASSAY
19·3m – 0·42 Sn
0·07 Sol. Sn
0·12 Cu
0·01 As
0·01 Mo
0·01 WO_3
23·8 Fe
Lode beds 15·2m wide including 2·4m–0·22 Sn
RENISON ASSAY
12·2m – 0·37 Sn
0·13 Sol. Sn
0·10 Cu
0·09 As
0·02 Mo
0·02 WO_3
27·9 Fe
Lode beds 15m wide only Sn. 10cm wide
GRANITE
LODE F/W
9·0m – 0·26 Sn
0·12 Cu
0·12 As
0·01 Mo
0·01 WO_3
36·6 Fe
2·8 S
This zone does not appear to correlate with Main Lode. May correlate with zone in H.L. D.D.31
Entered granite
Failed to intersect lode
Entered granite

N.B. Projection plane parallel to main lode horizon. Holes 31, 35 & 43 superimposed on this plane.

ABERFOYLE EXPLORATION SUMMARY

1962–63 Sampling of surface exposures, accessible underground workings. Drilling of holes 1–4.

1963–64 Further sampling in surface trenches and underground workings. Drilling of holes 5, 8, 9, 11, 18

1964–65 Drilling of holes 14, 15, 16, 17, 18, 30, 31, 32, 33.

Holes 35, 43 drilled by RENISON 1976/76, 1976/77 respectively.

LEGEND

25·1m – 0·83 Sn — Surface trench sample channel sample or underground sample.

43 — Diamond drill hole.

⊗ — Intr. point of D.D.H. intersection.

RENISON ASSAY — Resampling and reassaying of D.D. core 1977-78. Lengths are core intervals, not true thickness.

N.B. ALL ASSAYS ARE %.

MAIN LODE
MAIN
N.E.W.

5 cm

RENISON LIMITED

MT. LINDSAY MAIN LODE
LONGITUDINAL PROJECTION

GEOLOGIST	: A. ROSS
DRAUGHTSMAN	: J. MATHEWS
DATE	: 7-11-77
REVISIONS	: K. Colson Feb.'78.

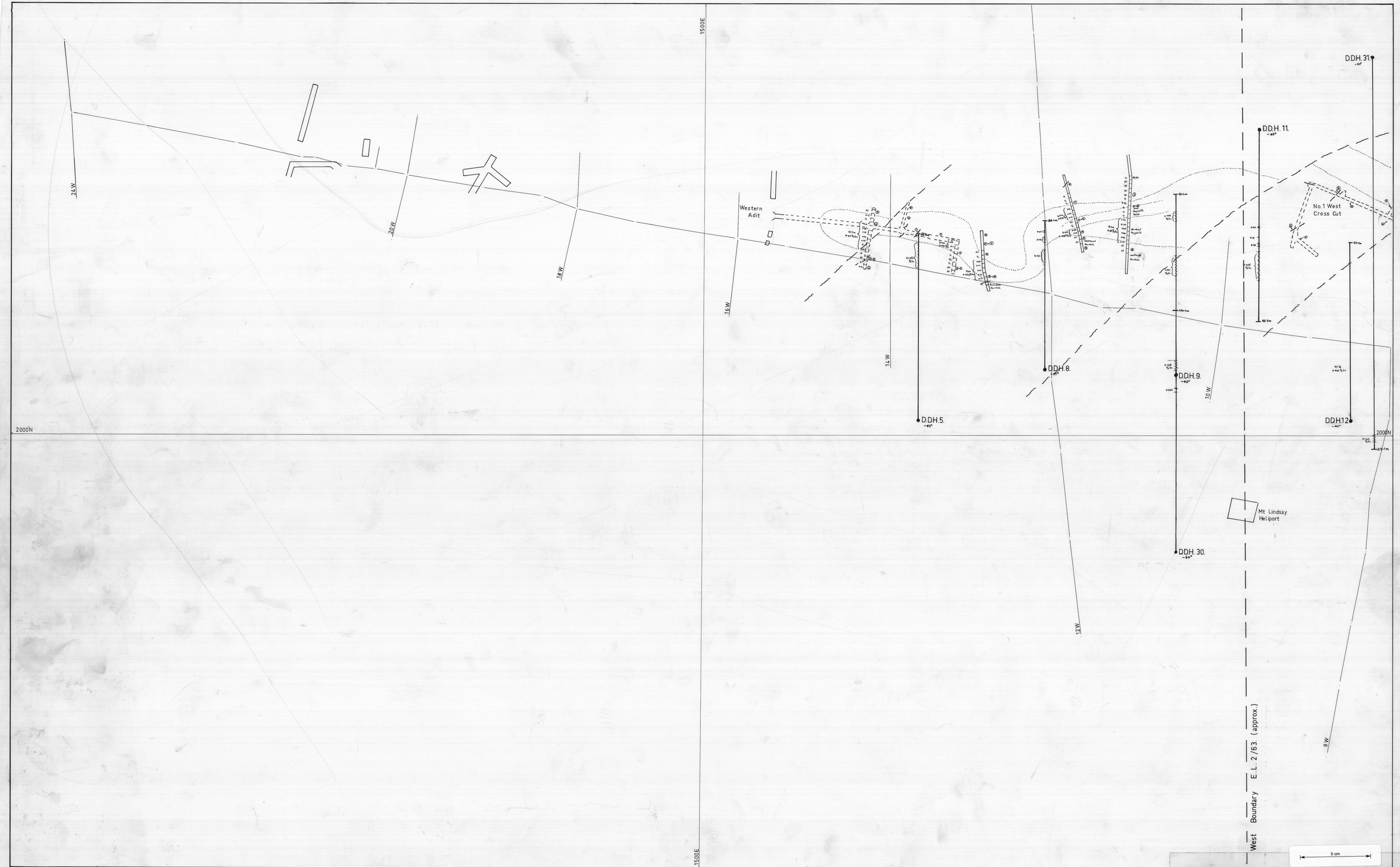
SCALE-1:500 METRES
0 10 20

DRAWING No. M.L.P. 121

MT. LINDSAY 1:500 NORTH PROJECTION MAIN LODE LONGITUDINAL PROJECTION (Looking East)

134

85 – 24/25 E.L. 18/73



KEY

①	More than 50% sulphides - mostly Pyrite & pyrrhotite. Some marcasite & chalcopyrite - may also contain magnetite & hornblende.	④	Earthy Limonitic gossan.	Grid.	Fault.
②	Slates may contain decomposed hornfels.	⑤	Banded " "	Surface workings.	Drill hole.
③	Fresh hornfels.	⑥	Haematitic "	Underground workings.	
		⑦	Siliceous gossan.	Zone of mineralization.	

Geochemical Sampling.

- Nil.
- 0·01 – 0·09 % Sn.
- 0·10 – 0·19 % Sn.
- 0·20 0·49 % Sn.
- > 0·50 % Sn.

RENISON LIMITED

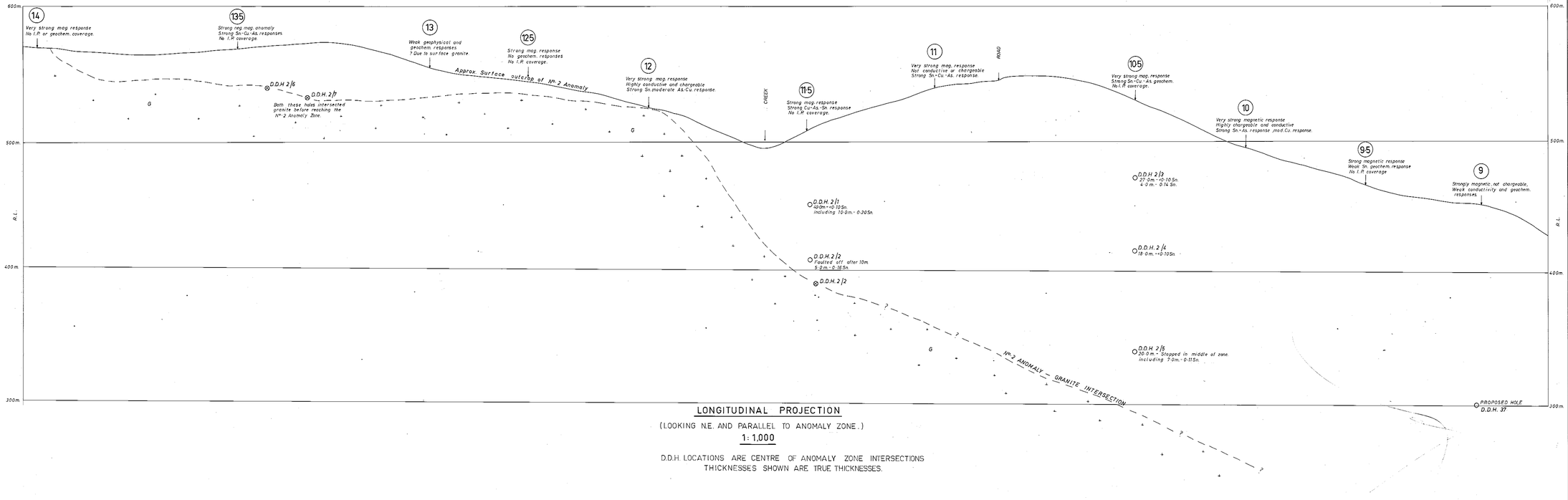
MT. LINDSAY TIN PROSPECT.
E.L. 2/63.
MAP 1.

SCALE. 1:500 METRES
10 0 10 20 30

DRAWN	RRS
TRACED	RRS
DATE	May 73
SCALE	1:500
DRAWING No.	
MLP 115	

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)
135

NORTH PIGMAN
MT. LINDSAY DRILLING RESULTS, MINE AREA MAP 1
1:500
(1973)

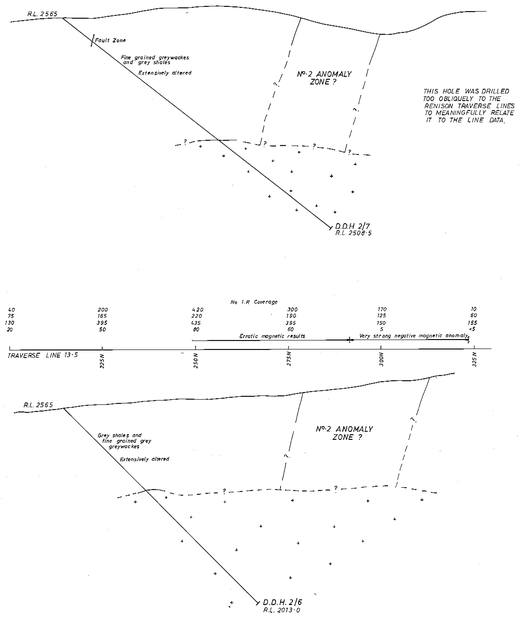


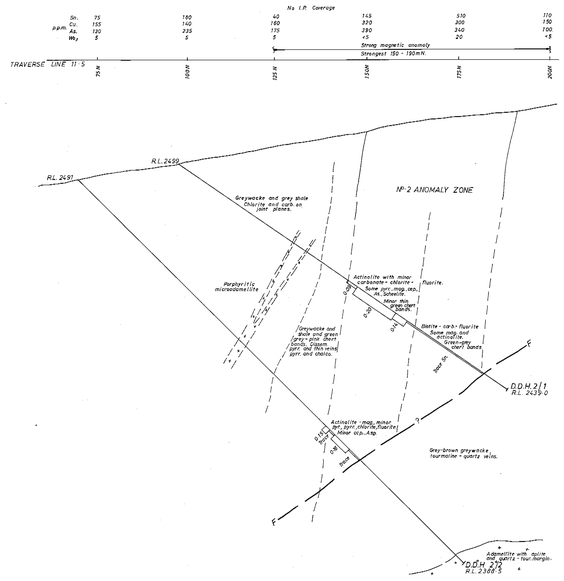
LONGITUDINAL PROJECTION

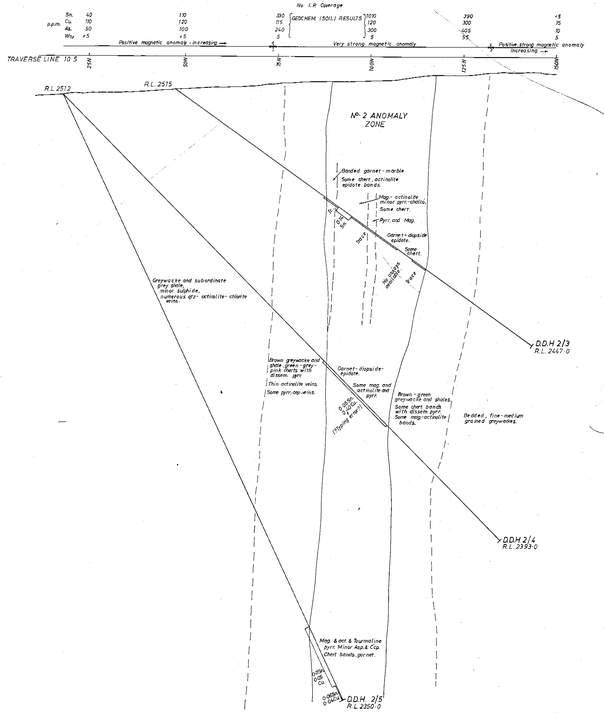
(LOOKING N.E. AND PARALLEL TO ANOMALY ZONE.)

1:1,000

D.D.H. LOCATIONS ARE CENTRE OF ANOMALY ZONE INTERSECTIONS
THICKNESSES SHOWN ARE TRUE THICKNESSES.







DRILL HOLE SECTIONS

(LOOKING NORTH)

1:500

5 cm

RENISON LIMITED

No. 2 ANOMALY DIAMOND DRILLING.

GEOLOGIST : A.A. Newnham	SCALE :1: METRES AS SHOWN
DRAUGHTSMAN : A.A. Cutten	
DATE : OCT. '72	
REVISIONS :	DRAWING No. MLP 117

GS 1972 - 242S
(E.L. 19/73)
136
Mt. Lindsay 1:10000
North Renison No. 2 Anomaly Diamond Drilling Results (1975)

40 x 40 : x 500

90 0 0 00

2500 m

2400 m

2300 m

Very strong mag. anomaly.
Weakly conductive + chargeable.
Strong Cu, mod. Co anomaly.
(Mags. suggest a possible N. dip)

15

Granite

Strong mag. anomaly.
No I.P. Coverage.
Strong Co-As anomaly Mod. Cu.
(Mags. suggest N. dip.)

14·5

Shallow Workings.

Strong mag. anomaly.
Strong I.P. - Cond. anomaly, slightly offset to mag. anomaly. Mod. Co + offset to anomaly.

14

Creek

Adit ?

Very strong mag. anomaly, about 400m wide.
Strong Co-As anomaly.
No I.P. Coverage.

13·5

Adit

Surface workings.
9m. 0·50 oz.
Channel sample.

Very strong mag. anomaly.
Mod. I.P. - Conductivity anomaly.
Strong Co - As. mod. Cu. anomaly.

13

Surface workings
15 m. 0·45 oz. in channel sample.

Adit

Very strong mags. (-ve)
Strong Co - As. anomaly, mod. Cu.
No I.P. Coverage.

12·5

Surface workings.
10m. 0·30 oz. in channel sample.

Adit

Surface workings.
10m. 0·05 oz. in channel sample.

Very strong mag.
Strong I.P. - Cond. anomaly.
Very strong Co - As - Cu. W.S. anomaly.

12

Adit
9m. 0·19 oz.
Odd channel sampling.

Very strong mag. anomaly.
Strong Co - Cu. mod. As. anomaly.
No I.P. Coverage.

11·5

Mod. Mag. anomaly.
Poor I.P. - Cond. -
Geochem responses.

11

Road.

Mod. Mag. anomaly.
No geochem responses.

10·5

Mod. Mag. anomaly.
Strong I.P. and cond. anomaly.
Strong As - mod. Co response.

10

D.D.H. 8.
10m Lode Material"
(Including 6.0m 0·19 oz
(No details available)

D.D.H. 9.
20m. Lode Beds"
Including several m of high grade material on H.W. & 4.0m 0·23 oz on H.W.

D.D.H. 11.
18 m
Complete assays not available
Included 9.0m 0·44 oz.

D.D.H. 5.
12 m 0·06.
(No logs or assay details available.)

D.D.H. 12.
8m Trace.
(No log or assay details available)

D.D.H. 14.
10 m. 0·15 oz.
2 m. 0·20 oz I.W.
(No log available)

D.D.H. 10.
"Lode Beds"
including 3m 0·32 oz.
5 m. 0·15 oz.
assays appear incomplete.

D.D.H. 15.
No log as all
Possibly drilled with Lode dip.

D.D.H. 16.
12 m. Lode Beds"
(No log available)
Including 6 m 0·05 oz.

D.D.H. 17.
20 m. Lode Beds"
(No log available)
Including 6 m. 0·11 oz.

Trollers Adit

Road

Fullard Creek

Road

D.D.H. 18.
"Lode Beds"
(No log available)
Including two zones:
HW 10m 0·165 oz.

D.D.H. 4.
Main Mine workings & camp.
These workings contained zones of high grade ore.

D.D.H. 4. Collared here in lode where it intersected 2 m. 0·24 oz.

D.D.H. 1.
High grade HW zone.
10m 0·17 oz.

D.D.H. 4.
Hole collared in lode at 1·24 oz. for 2 m.
This point is mid-point of lode formation (?) which is at least 30 m thick with a grade of approx. 0·20 oz.

D.D.H. 2.
12m 0·53 oz.
Includes two high grade zones.

D.D.H. 4.
10m 0·06 oz.
Includes two high grade zones.

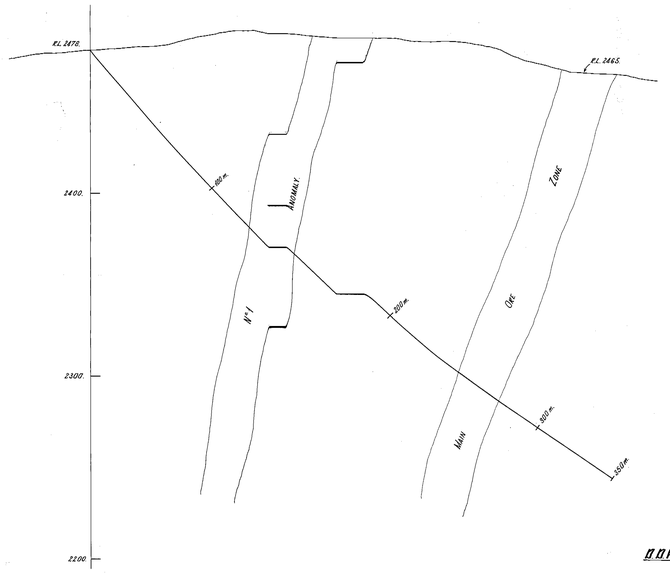
D.D.H. 3.
11m. 1·75 oz.
This zone may contain a wide low rich fault zone.
The Hall Lode is about 10 m thick at 1·40 oz.

D.D.H. 31.
No logs or survey detail available.
Hole finished in lode which was probably > 15 m a continuous zone 5m

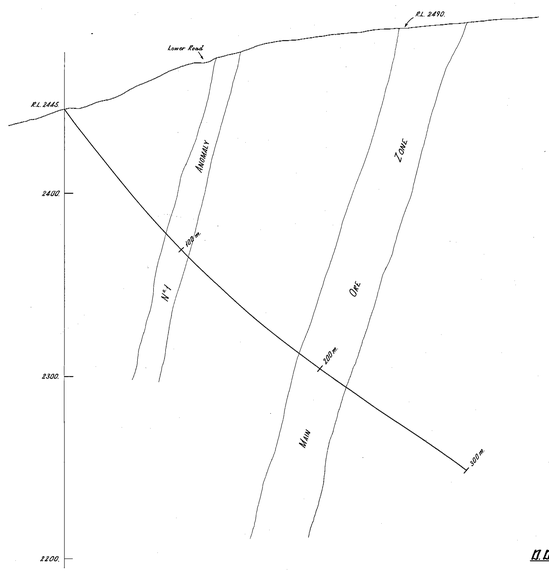
D.D.H. 32.
5m. 0·22 oz.
(No log available)

D.D.H. 33.
10 m.
No log or assays available.

MAIN LODE.
1:1000 LONGITUDINAL PROJECTION.



D.D.H. 35.



D.D.H. 36.

PROPOSED DRILL HOLE SECTIONS
SCALE. 1:1000.

D.D.H. 35 & D.D.H. 36.

Two proposed diamond drill holes, primarily designed to test the Main Ore Zone at depth. As shown, they will thus also test the N° 1 Anomaly Zone.

Notes:
1. Projection looks N.E. & approx. parallels the ore zone.
2. Sections look N.W.
3. The drill holes were completed between 1963-69.
All survey data should be regarded as approx. only.
Assay data & logs were generally not available.

5 cm

MINE AREA
MAIN ORE ZONE
DIAMOND DRILLING RESULTS.

GEOLOGIST	SCALE 1:1000 METRES
DRAUGHTSMAN S.M.H.	
DATE 22-10-76.	
REVISIONS	DRAWING No. MLP 118

RD - 2425
(E. L. 5/2/73 & E.L. 18/7/73)

137

North Tasmania
Mine Ore Zone Diagrams
(Misc.)

ORIGINAL
1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

138

NORTH PIEMAN
MT LINDSAY
1:1000
O.P.H.

LINE PROFILE
M.L.4.5
DRILLHOLE ML42

Geochemistry
P.P.M.
200
180
160
140
120
100
80
60
40
20
0
500 S
400 S
300 S
200 S
100 S
0
100 N

M.I.P. & E.I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

I.P. Data
RESISTIVITY IN Ohm METRES (– – –)
CHARGEABILITY IN MILLIVOLTS/VOLT (——)
2000
1000
500
300
200
100
60
40
20
0

Total Magnetic Field (γ)
63000
800 (– – –)
600
400
200
62,000
FINE SCALE
COARSE SCALE
65,000
64,000
63,000
62,000
61,000
60,000
500 S
400 S
300 S
200 S
100 S
0
100 N

Topography & Geology
HEIGHT ABOVE SEA LEVEL + 2000 m
2400
2350
2300
2250
2200
2150
2100
2050
2000
1950
MAGNETIC SUSCEPTIBILITY (4π x 10⁻⁴ c.g.s.)
10000
1000
100
BASELINE
SOUTH EAST CREEK
Weathered rock and clays.
50m
Trace pyrrhotite <0·1% Sn
100m
Broken zone with core loss.
Carbonate, chert. Trace pyrrhotite.
Very broken core. Rhodochrosite, calcite veinlets.
150m
200m
Trace pyrrhotite 0·1% Sn
250m
300m
Broken zone: Actinolite, rhodochrosite veinlets.
350m
Trace pyrrhotite
Impure carbonate bedded chert. Rare stylolites. Trace pyrrhotite. <0·1% Sn
400m
450m
D.D.H. 42 460m
500 S
400 S
300 S
200 S
100 S
0
100 N

RENISON LIMITED
E.L. 2/63
MT. LINDSAY GRID.
D.D.H. 42 LINE 4·5

GEOLOGIST : A. ROSS	SCALE 1:1000 METRES (20 0 20 40)
DRAUGHTSMAN : J. MATTHEWS	
DATE : MARCH '77	
REVISIONS :	DRAWING No. MLP 29

5 cm

NO I.P. COVERAGE

MAGNETICS
5000 γ SCALE
1000 γ SCALE
GEOMETRICS G816 PROTON MAGNETOMETER USED. SPACING 10m ALONG LINE. SENSOR HEAD 3m ABOVE SURFACE.

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

SECTION LOOKING N.W.

LEGEND
VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a Strongly magnetic zones
b Mottled alteration zones
Bleached mottled colours at contact of carbonate horizon.
CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.
SKARN & MINERALISATION
Replacing carbonate chert horizon. Magnetite rich.
GRANITE

ORIGINAL

1:1000

85 - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

139

NORTH PIGMAN
MT. LINDSAY LINE PROFILE
1:1000 M.L.6
DRILLHOLES ML40 & ML45

Geochemistry

P.P.M.

200 180 160 140 120 100 80 60 40 20 0

1600 N 1700 N 1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400N

M.I.P. & E.I.P Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

I.P. Data

RESISTIVITY IN Ohm METRES (– – –) 2000 1000 500 300 200 100

CHARGEABILITY IN MILLIVOLTS/VOLT (——) 60 40 20 0

1600 N 1700 N 1800 N 1900 N 2000 N ? 2100 N ? 2200 N 2300 N 2400 N

Total Magnetic Field (δ)

SCALE (– – –) 63000 800 600 400 200 62,900

SCALE (——) 65,000 64,000 63,000 62,000 61,000 60,000

FINE COARSE

1600 N 1700 N 1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400

Topography & Geology

HEIGHT ABOVE SEA LEVEL + 2000 m

2400 2350 2300 2250 2200 2150 2100 2050 2000 1950 1900 1850 1800 1750 1700

1600 N 1700 N 1800 N 1900 N 2000 N 2100 N 2200 N 2300 N 2400

SUSCEPTIBILITY × 10⁻⁶ c.g.s. units — 10000 1000 100 — MAGNETIC

SUSCEPTIBILITY × 10⁻⁶ c.g.s. units — 10000 1000 100 — MAGNETIC

Nº 1 — MAIN LODE — SOUTH EAST CREEK — Nº 2

Magnetic shale 25·4

Weathered rock and clays

67·8 Mottled zone
79·3 Carbonate rich shale
90·0

Trace pyrrhotite <0·1% Sn

Green diagenetic ovoids

Non-magnetic shale

123·7 Carbonate
196·1 Mottled zone
214·0 Carbonate
219·0 Mottled zone
227·0

Very broken zone

Trace pyrrhotite <0·1% Sn

238·0 Magnetic shale
272·0 Non-magnetic shale
289·0 Chert and shale
299·0

Non-magnetic shale

Red garnet common

Trace pyrrhotite throughout <0·1% Sn

Actinolite veinlets increasing

550m

Contorted sediments

ML 40

362·2 Magnetic shale
378·9 Non-magnetic shale
391·0 Magnetic shale

Nº 2

440·6 Non-magnetic shale
460·2

MAIN LODE

Carbonate and calc-silicate

Nº 2 ANOMALY

576·5 Chert
602·7 Non-magnetic shale
645·5 Magnetic shale
648·5

ML 45

457·2m

457·2m

% Sn. ML 40 % Sol. Sn.

% Sn. ML 45 % Sol. Sn.

5 cm

RENISON LIMITED	
E.L. 2/63 MT. LINDSAY GRID LINE 6	
GEOLOGIST : R.R. Schellekens	SCALE 1: 1000 METRES
DRAUGHTSMAN : J.M. Matthews	20 0 20 40
DATE : May 1978	
REVISIONS :	DRAWING No. MLP 127

I.P. DATA
CHARGEABILITY
RESISTIVITY

MAGNETICS
5000 δ SCALE
1000 δ SCALE

SOIL GEOCHEMISTRY
Sn
Cu
Pb
Zn
As
W

LEGEND
VOLCANICLASTIC SEDIMENTS
Greywacke siltstones
a. Strongly magnetic zones
b. Mottled alteration zones. Bleached mottled colours at contact of carbonate horizon.
CARBONATE – CHERT HORIZON
Impure carbonate, chert, minor calc-silicate alteration and trace pyrrhotite.
SKARN MINERALISATION
Replacing carbonate chert horizon Magnetite rich.
GRANITE

SECTION LOOKING N.W.
NOTE DISTANCES SLOPE NOT HORIZONTAL

NORTH PEGMAN
MT. LINDSAY LINE PROFILE
1:5000 BASE LINE

OS - 2425
Mt. Lindsay
(E.L. 2/63 & E.L. 18/73)

140

Geochemistry
ppm.
50 200
40 160
30 120
20 80
10 40
0 0

I.P. Data
Resistivity in Ohm - Metres (----)
Chargeability in milliVolts/Volt (—)
2000 60
1000 40
500 20
200
100 0

Total Magnetic Field (δ)
Fine Scale (----) Coarse Scale (—)
63000 65000
800 64000
600 63000
400 62000
200 61000
62000 60000
3000 W
2000 W
1000 W
00

Topography & Geology.
Height above Sea Level + 2000 m. (m)
(m)
2,500
2,400
2,300
2,200
2,100
2,000
Mews Ck.
Turlach Ck.
South East Ck.
3200 W 3000 W 2800 W 2600 W 2400 W 2200 W 2000 W 1800 W 1600 W 1400 W 1200 W 1000 W 800 W 600 W 400 W 200 W 0

RENISON LIMITED	
E.L.2/63 & E.L.18/73 MT. LINDSAY GRID BASELINE	
SCALE. 1:5000 METRES. 100 0 100 200 300	
DRAWN	R.R.S.
TRACED	
DATE	June '73.
SCALE	1:5000
DRAWING No.	
MLP 92	

I.P
Chargeability.
Resistivity.
6 cm
MAGNETICS.
5000 δ Scale.
1000 δ Scale.
GEOCHEMISTRY.
Sn.
Cu.
Pb.
Zn.
As.
W.

MT. LINDSAY ALTA

GEOPHYSICAL CORRELATION

NORTH PIEMAN
GENERAL CORRELATION OF AIR & GROUND MAG. AND I.P. ANOMALIES
1:10,000
(Scale slightly inaccurate)

85-2425
MT LINDSAY
(EL 2/63 & EL 18/73)

141

RENISON LIMITED

CORINNA D/3
EL.18/73 & E.L. 2/63
CORRELATION OF MAGNETIC & I.P. ANOMALIES

SCALE: 1:10000 METRES
200 0 200 400 600

DRAWN	P.R.S.
TRACED	
DATE	July '74
SCALE	1:10000
DRAWING No.	MLP 70

CORINNA D/3 | ZEEHAN E/2
CORINNA D/4 | ZEEHAN E/1

5 cm

KEY

- Grid Lines.
- Definite I.P Anomaly (Chargeability).
- Weak I.P Anomaly "
- Resistivity Anomaly.
- Magnetic Anomaly (High)
- Magnetic Anomaly (Low)
- Multiple Surface Turair Conductor.
- Banded Turair Conductor.
- Turair Anomaly.

AMG REFERENCE POINTS ADDED

AM4 364500E 5380900N

AM4 359800E 5381700N

LINDSAY

PARSONS HOOP

RIVER

WILSON

340 345 660 665