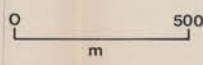


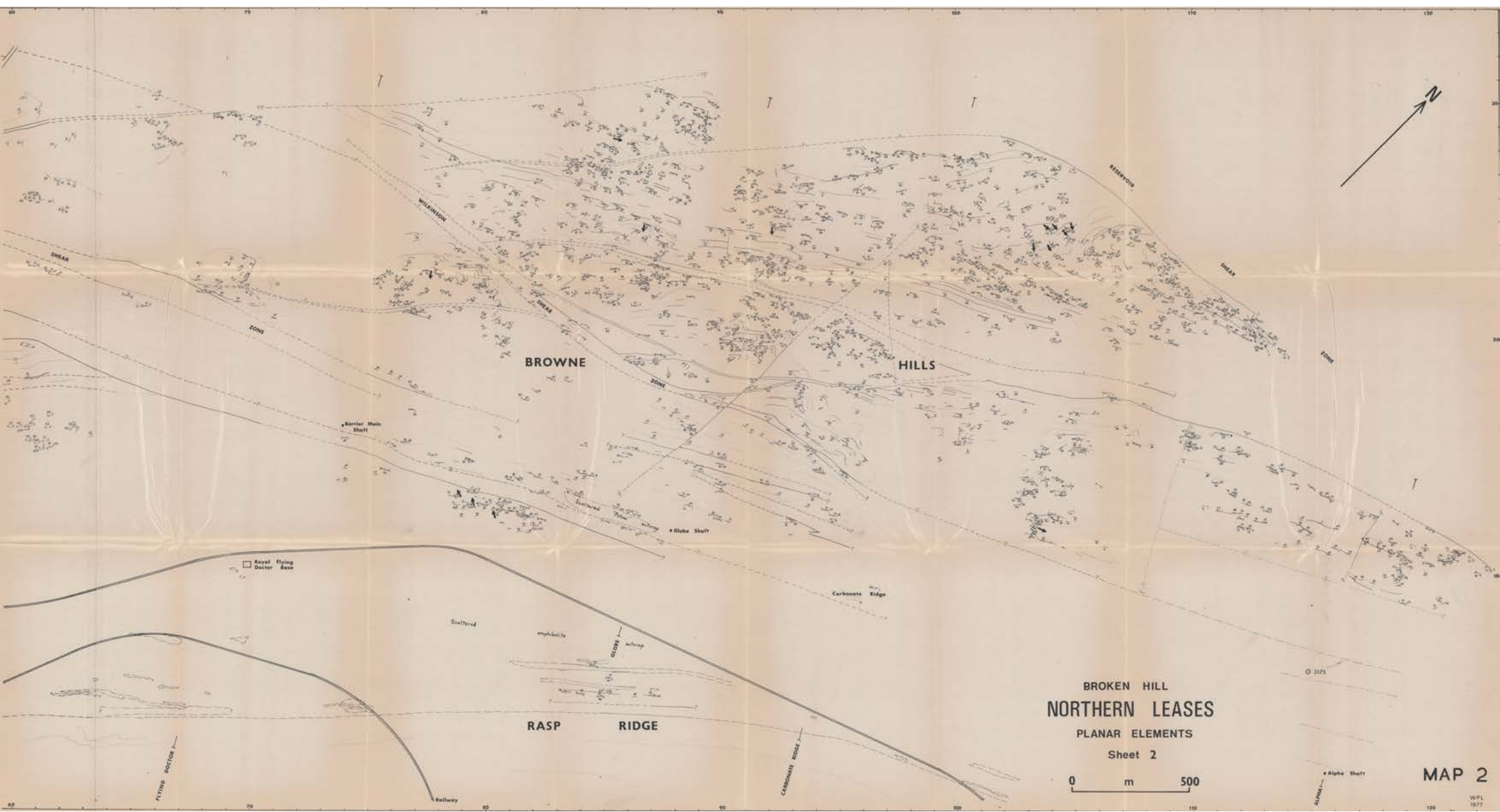


**BROKEN HILL
NORTHERN LEASES
PLANAR ELEMENTS
Sheet 1**

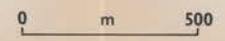
INCLUDED CO-ORDINATES REFER
TO NBHL MINE (in NATIONAL) GRID

SOME DATA SW OF DE BAVAT
SHEAR FROM ANDREWS (1922)
AND E.W. MARRJORBANKS



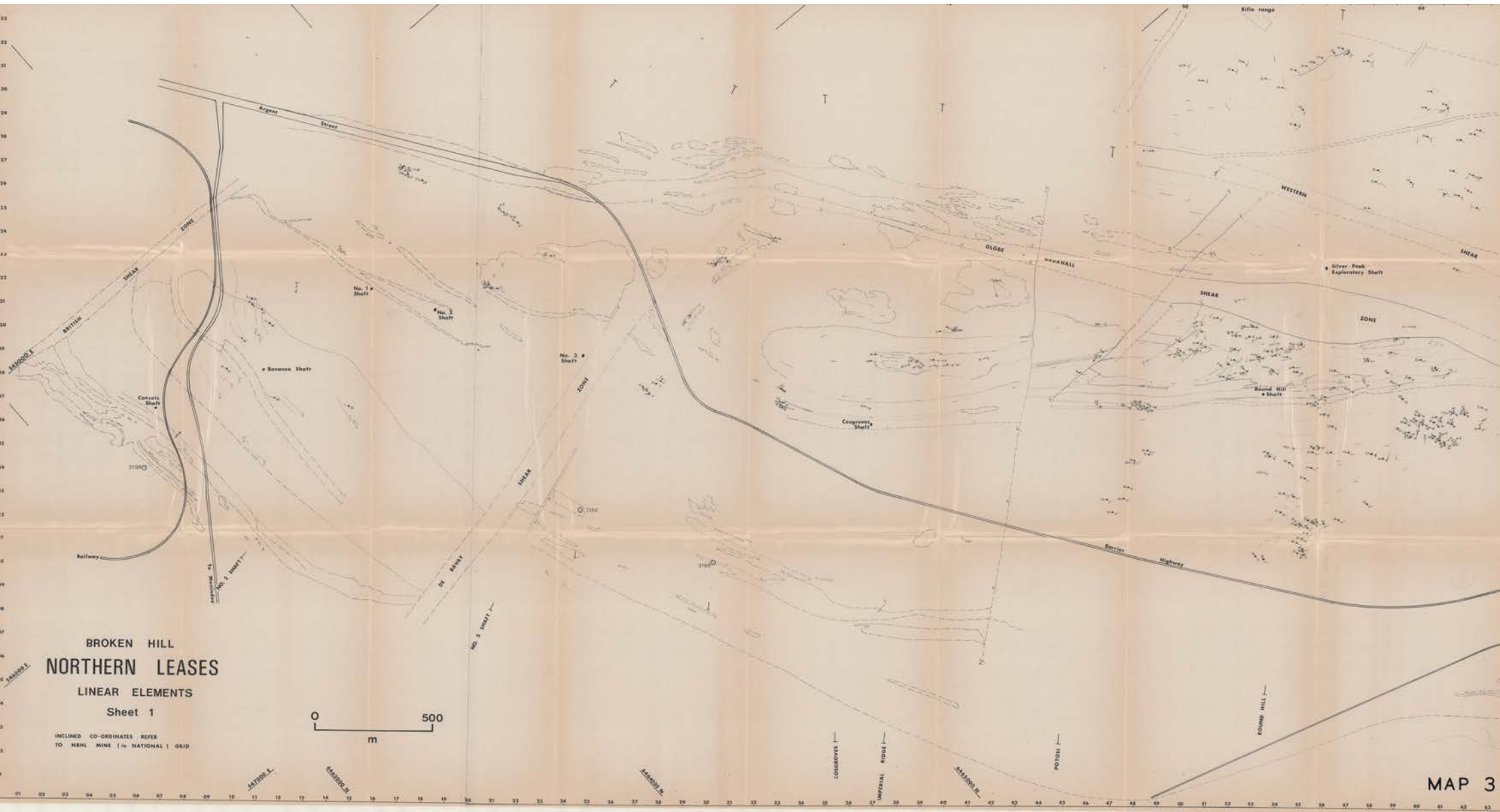


BROKEN HILL
NORTHERN LEASES
PLANAR ELEMENTS
Sheet 2



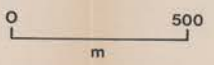
MAP 2

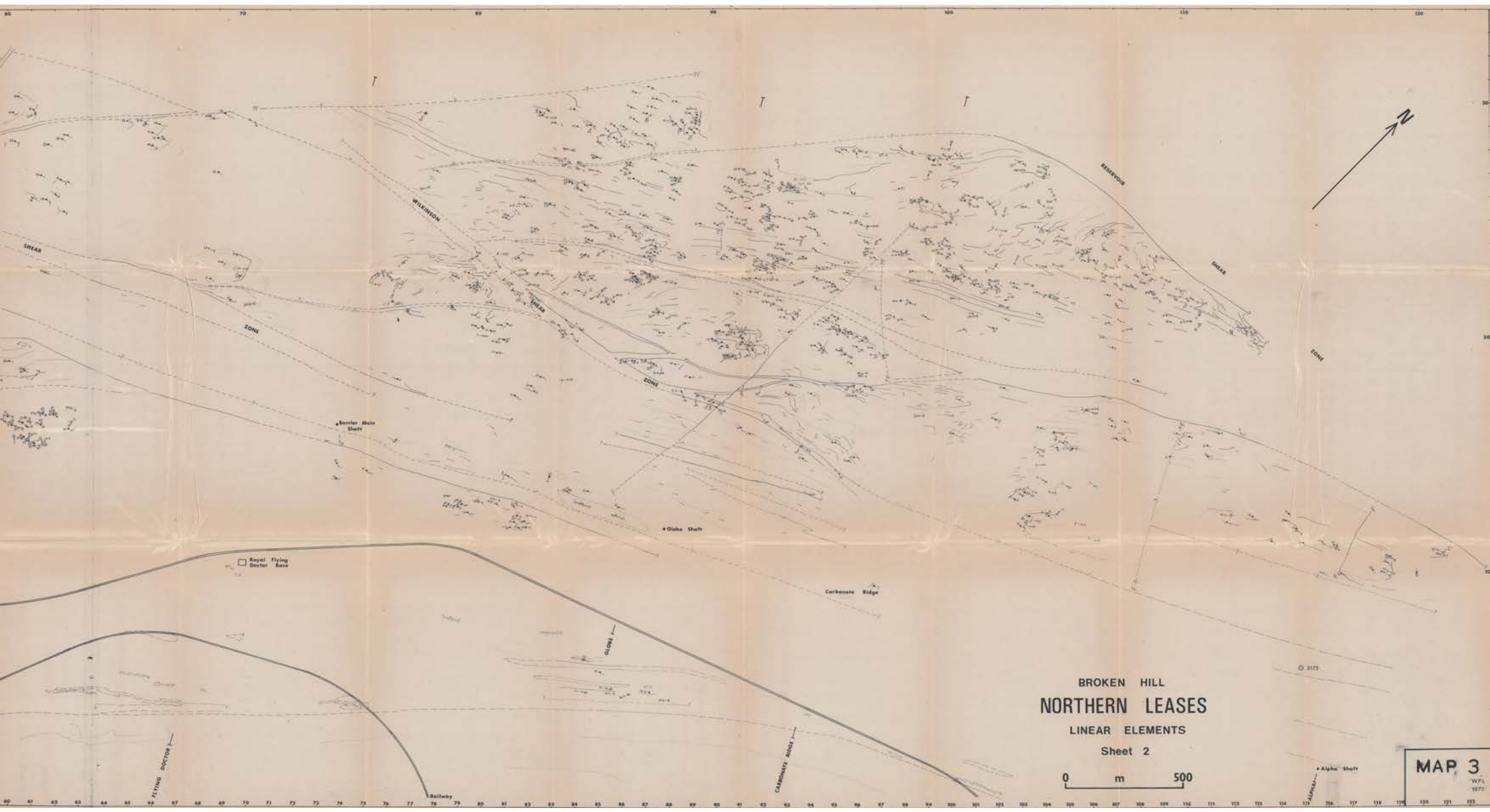
WPL
1977



BROKEN HILL
 NORTHERN LEASES
 LINEAR ELEMENTS
 Sheet 1

INCLINED CO-ORDINATES REFER
 TO NEHL MINE (in NATIONAL GRID)

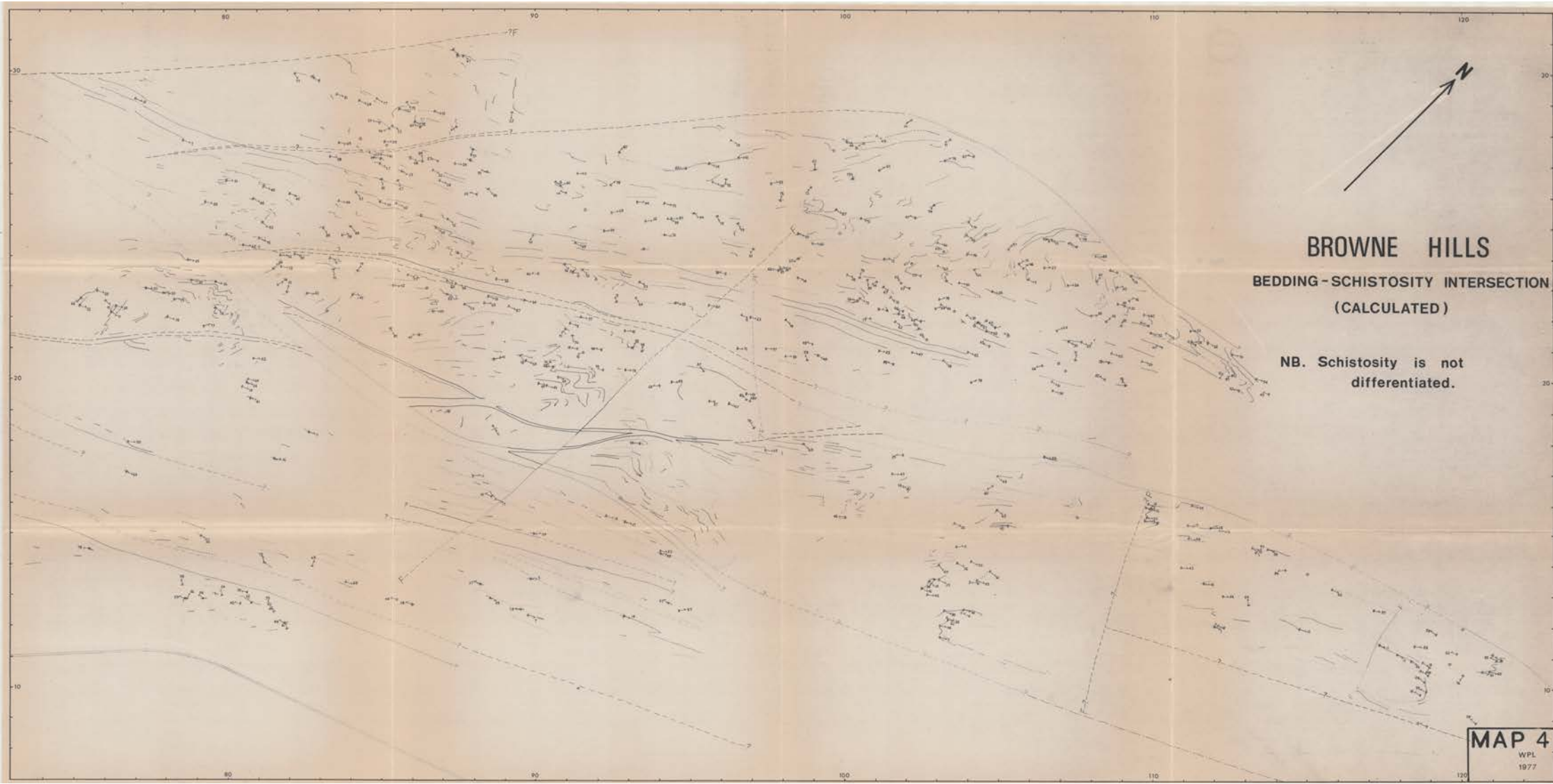




BROKEN HILL
NORTHERN LEASES
LINEAR ELEMENTS
Sheet 2

0 m 500

MAP 3
WPL
1977



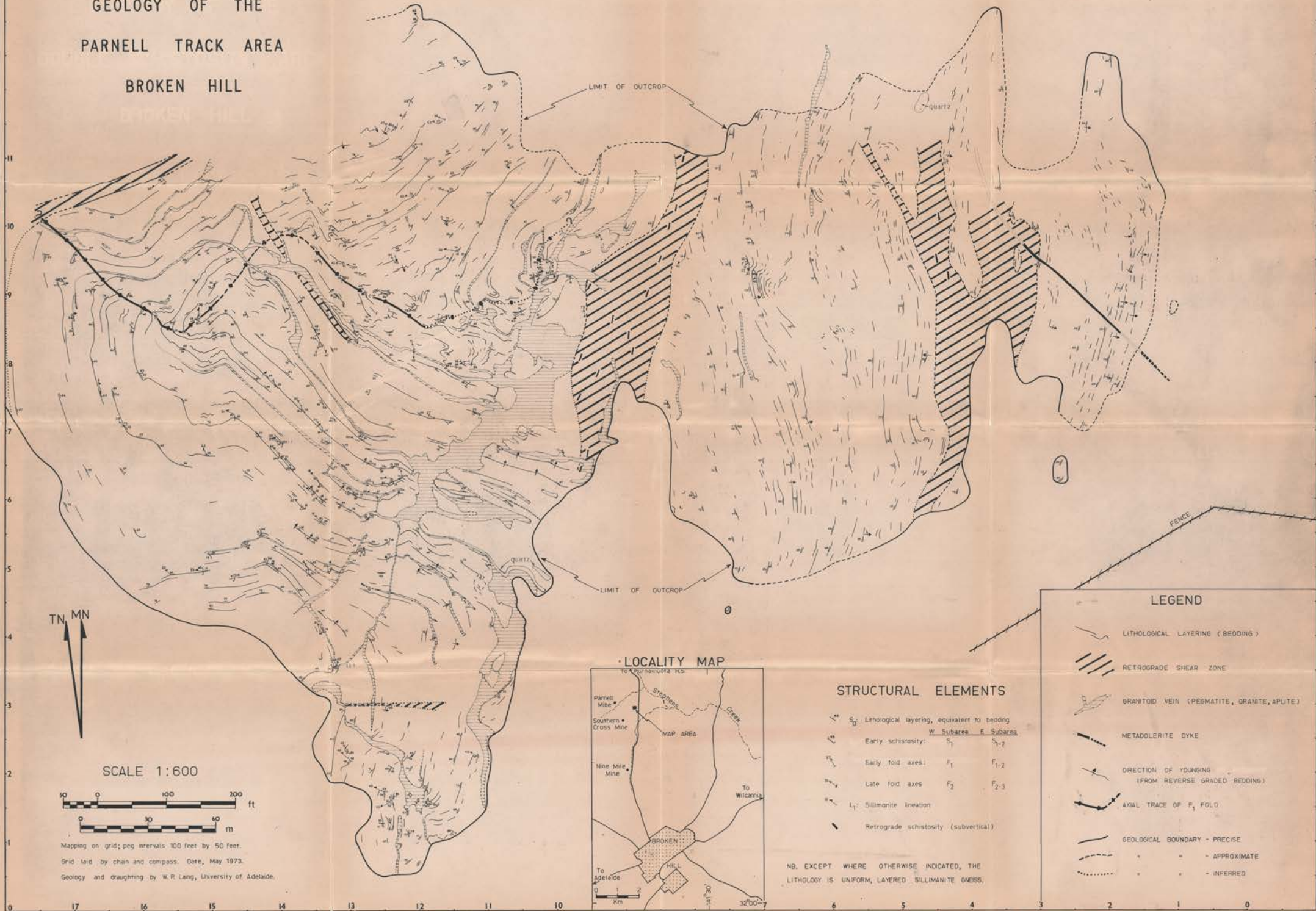
BROWNE HILLS

BEDDING-SCHISTOSITY INTERSECTION
(CALCULATED)

NB. Schistosity is not
differentiated.

MAP 4
WPL
1977

GEOLOGY OF THE
 PARNELL TRACK AREA
 BROKEN HILL



LIMIT OF OUTCROP

Quartz

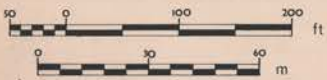
Quartz

LIMIT OF OUTCROP

FENCE

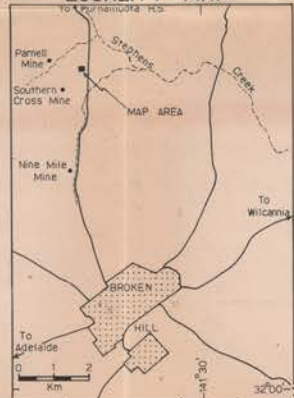
TN
MN

SCALE 1:600



Mapping on grid; peg intervals 100 feet by 50 feet.
 Grid laid by chain and compass. Date, May 1973.
 Geology and draughting by W. R. Lang, University of Adelaide.

LOCALITY MAP



STRUCTURAL ELEMENTS

- S₀: Lithological layering, equivalent to bedding
- Early schistosity: $\frac{W \text{ Subarea } F \text{ Subarea}}{S_1 \quad S_{1-2}}$
- Early fold axes: $F_1 \quad F_{1-2}$
- Late fold axes: $F_2 \quad F_{2-3}$
- L₁: Sillimonite lineation
- Retrograde schistosity (subvertical)

NB. EXCEPT WHERE OTHERWISE INDICATED, THE LITHOLOGY IS UNIFORM, LAYERED SILLIMANITE GNEISS.

LEGEND

- LITHOLOGICAL LAYERING (BEDDING)
- RETROGRADE SHEAR ZONE
- GRANITOID VEIN (PEGMATITE, GRANITE, APLITE)
- METADOLERITE DYKE
- DIRECTION OF YOUNGING (FROM REVERSE GRADED BEDDING)
- AXIAL TRACE OF F₁ FOLD
- GEOLOGICAL BOUNDARY - PRECISE
- " " - APPROXIMATE
- " " - INFERRED