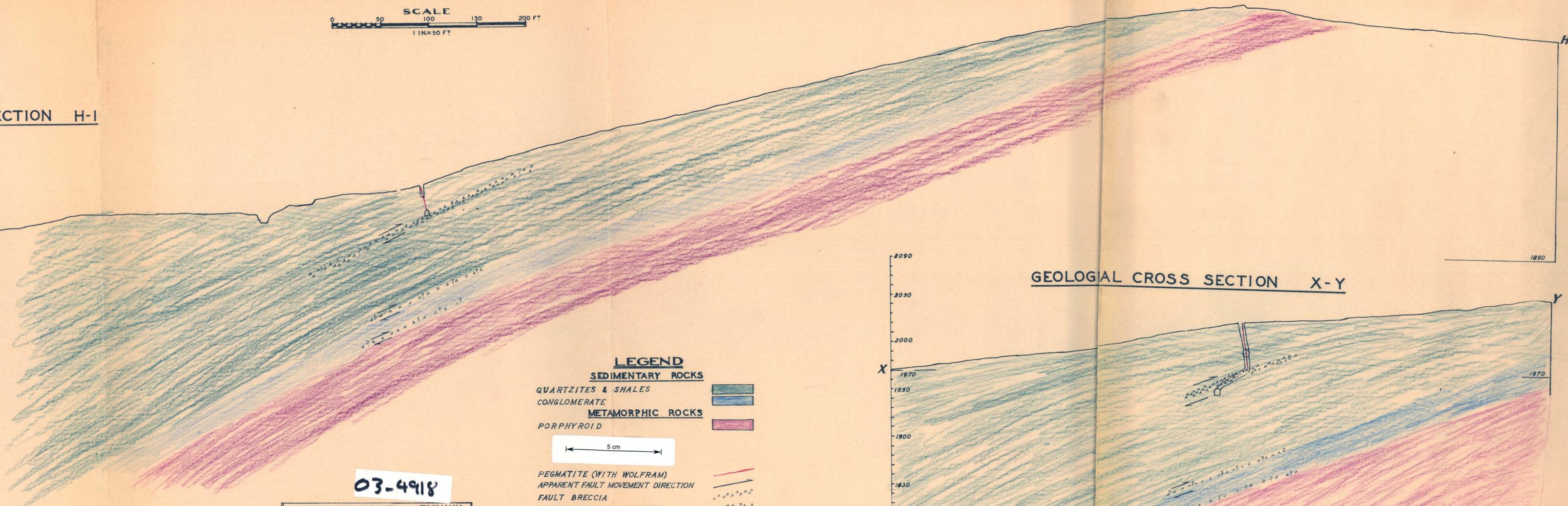
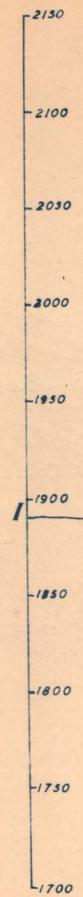


# ALL NATIONS MINE - MOINA

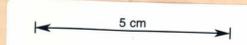


GEOLOGICAL CROSS-SECTION H-I



**LEGEND**

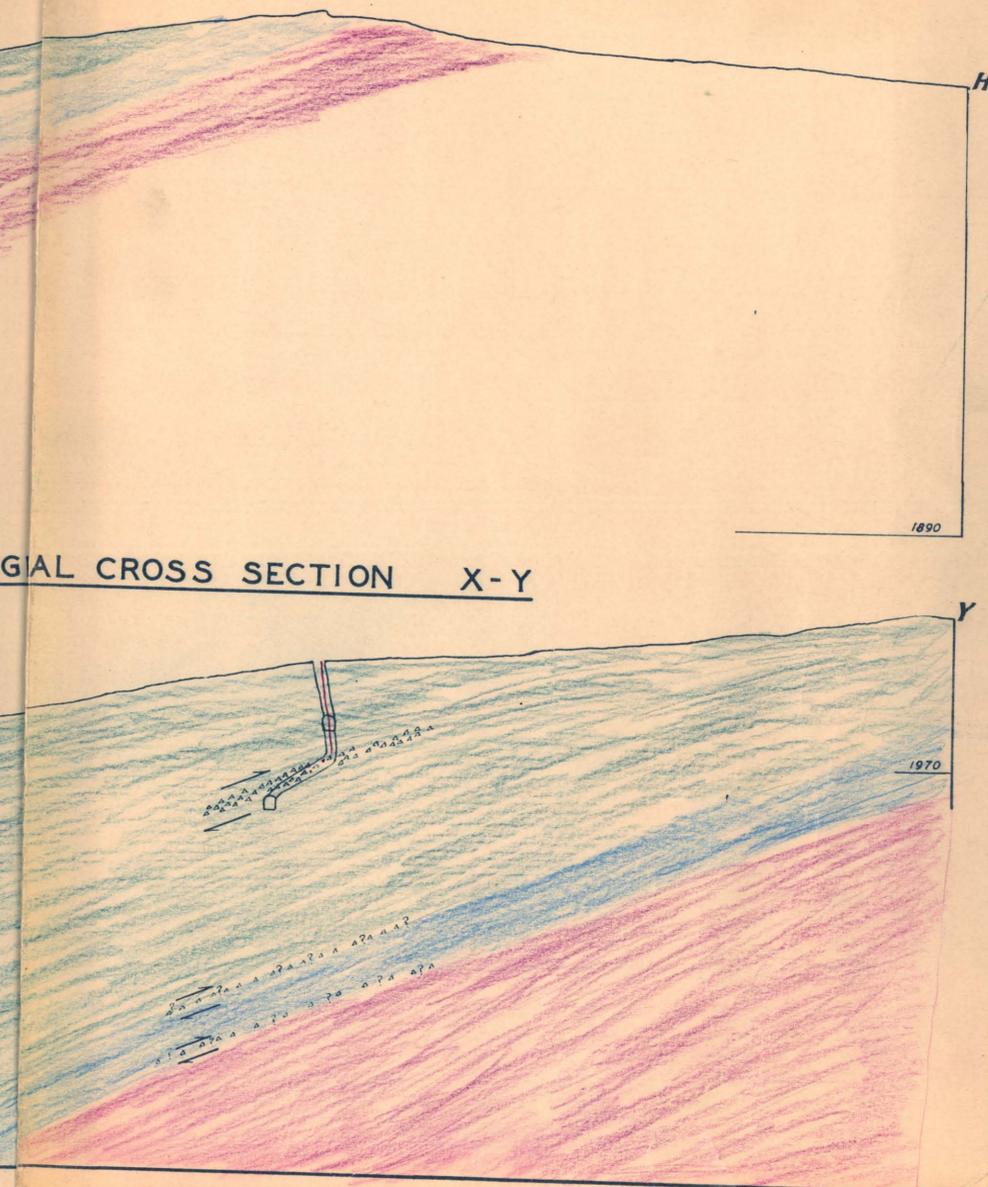
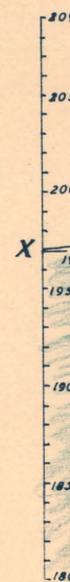
- SEDIMENTARY ROCKS**
- QUARTZITES & SHALES
  - CONGLOMERATE
- METAMORPHIC ROCKS**
- PORPHYROID
- PEGMATITE (WITH WOLFRAM)
- APPARENT FAULT MOVEMENT DIRECTION
- FAULT BRECCIA
- POSSIBLE FAULT RECURRENCE



03-4918

DEPARTMENT OF MINES - TASMANIA		
FIELD WORK	JOHN ELLISTON	GEOLOGIST
FIELD WORK	L. G. NIXON	GEOLOGIST
PLAN	<i>W. G. Nixon</i>	DRAUGHTSMAN
APPROVED	<i>L. G. Nixon</i>	DIRECTOR OF MINES
DATE	NOVEMBER 1951	LORINNA

GEOLOGICAL CROSS SECTION X-Y



# ALL NATIONS MINE - MOINA



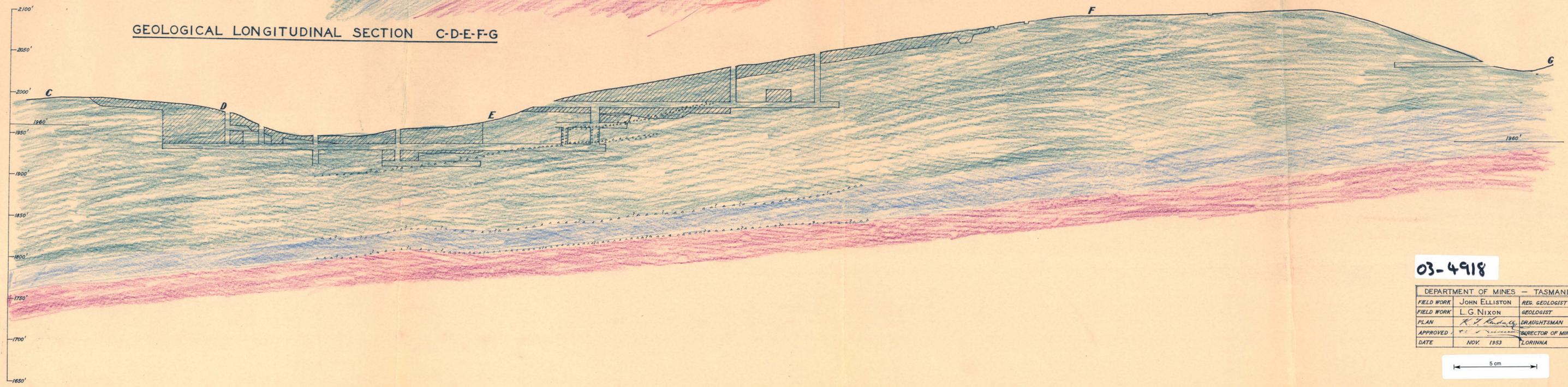
GEOLOGICAL CROSS-SECTION AB



**LEGEND**

<b>SEDIMENTARY ROCKS</b>	
QUARTZITES & SHALES	
CONGLOMERATE	
<b>METAMORPHIC ROCKS</b>	
PORPHYROID	
<b>IGNEOUS ROCKS</b>	
GRANITE	
PEGMATITES (WITH WOLFRAM)	
APLITE DYKES (BARREN)	
FAULT BRECCIA	
POSSIBLE FAULT RECURRENCE	

GEOLOGICAL LONGITUDINAL SECTION C-D-E-F-G

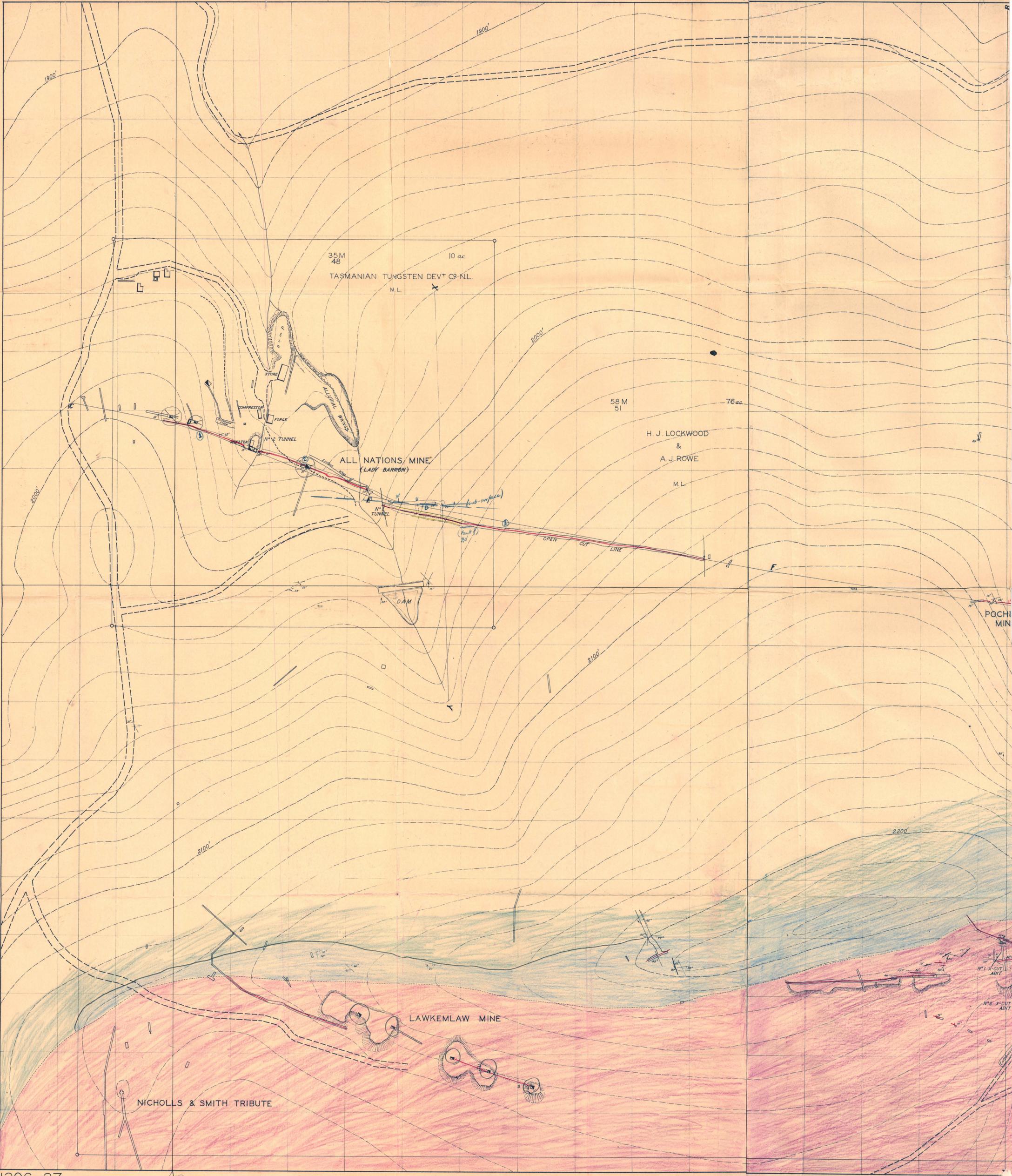


03-4918

DEPARTMENT OF MINES - TASMANIA			
FIELD WORK	JOHN ELLISTON	REG. GEOLOGIST	
FIELD WORK	L. G. NIXON	GEOLOGIST	
PLAN	<i>R. J. ...</i>	DRAUGHTSMAN	
APPROVED	<i>[Signature]</i>	DIRECTOR OF MINES	
DATE	NOV. 1953	LORINNA	



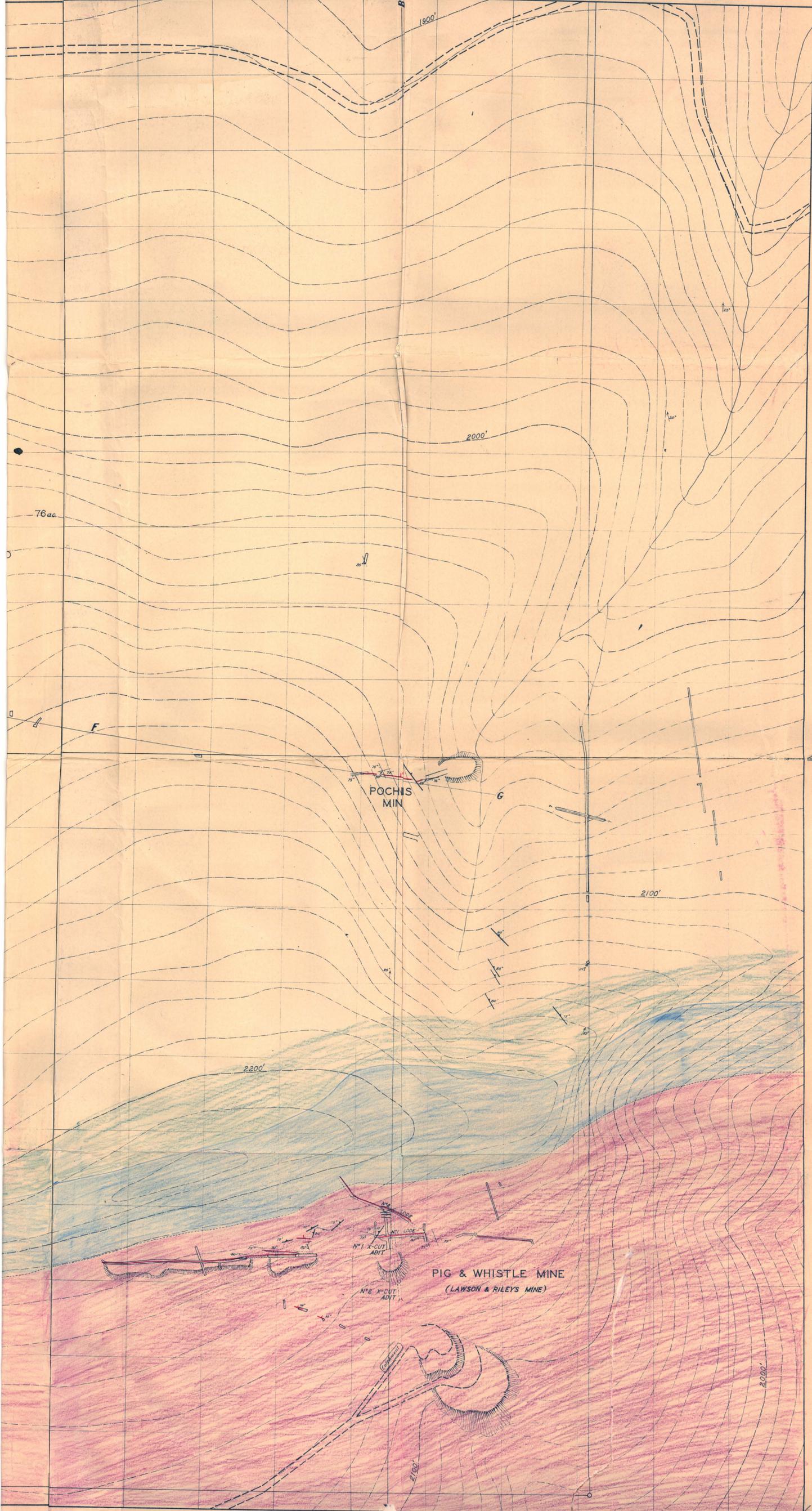
GEOLOGICAL MAP OF ALL NATIONS AREA - MOINA



LEFT



# ATIONS AREA — MOINA

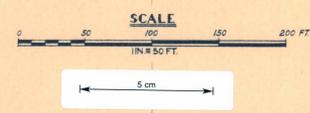


**LEGEND**

SEDIMENTARY ROCKS		
ORDOVICIAN	QUARTZITES & SHALES	
	CONGLOMERATE	
METAMORPHIC ROCKS		
CAMBRIAN?	PORPHYROID	
IGNEOUS ROCKS		
DEVONIAN	GRANITE	
	PEGMATITES (WITH WOLFRAM)	
	APLITE DYKES (BARREN)	
	DIP DIRECTION AND ANGLE OF BEDS	
	JOINTS	
	FAULTS	



RIGHT.



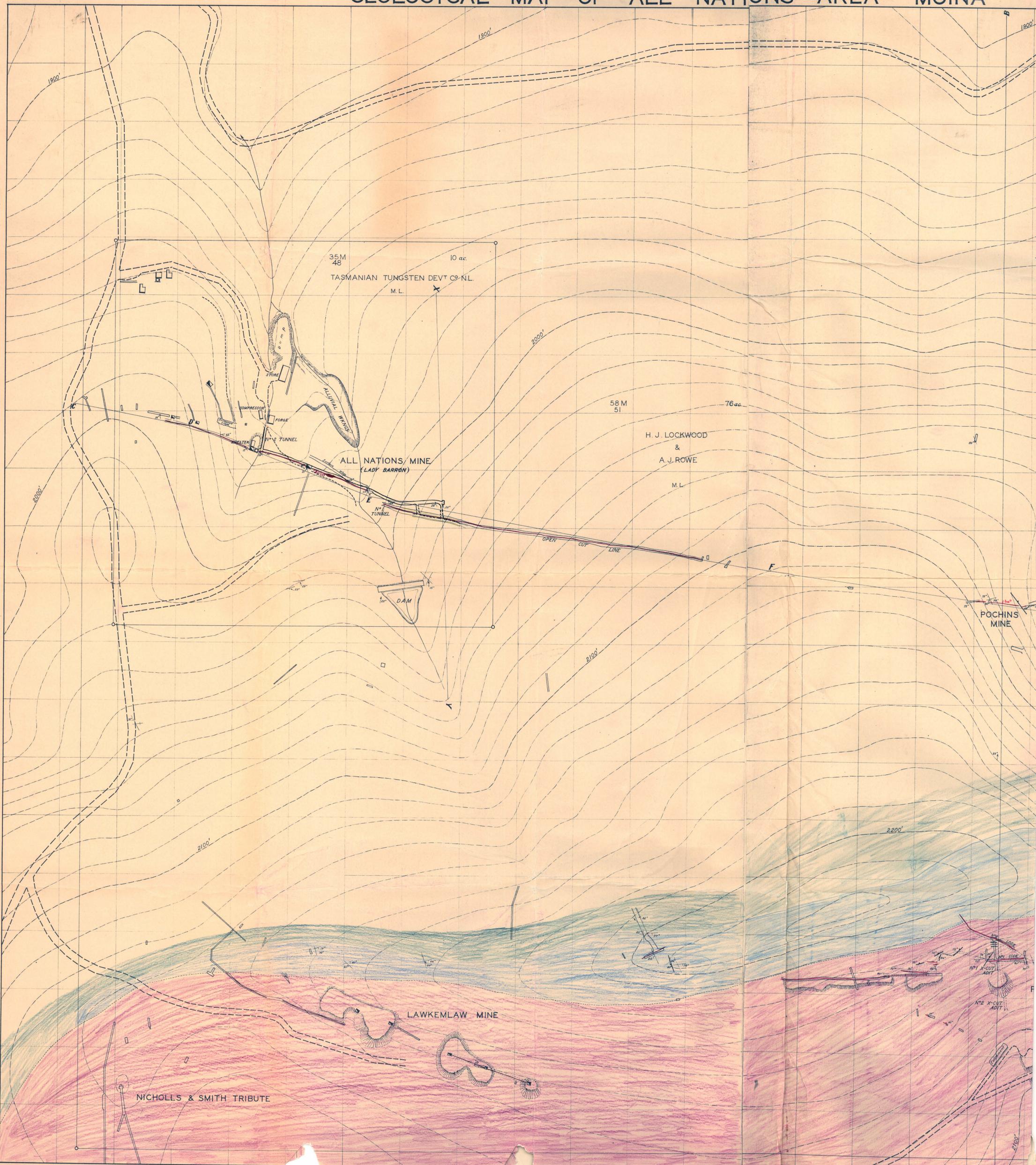
03-4918

DEPARTMENT OF MINES — TASMANIA		
FIELD WORK	JOHN ELLISTON	RES. GEOLOGIST
FIELD WORK	L. G. NIXON	GEOLOGIST
PLAN	<i>L. G. Nixon</i>	DRAUGHTSMAN
APPROVED	<i>[Signature]</i>	DIRECTOR OF MINES
DATE	NOV 1893	ZC/NINA

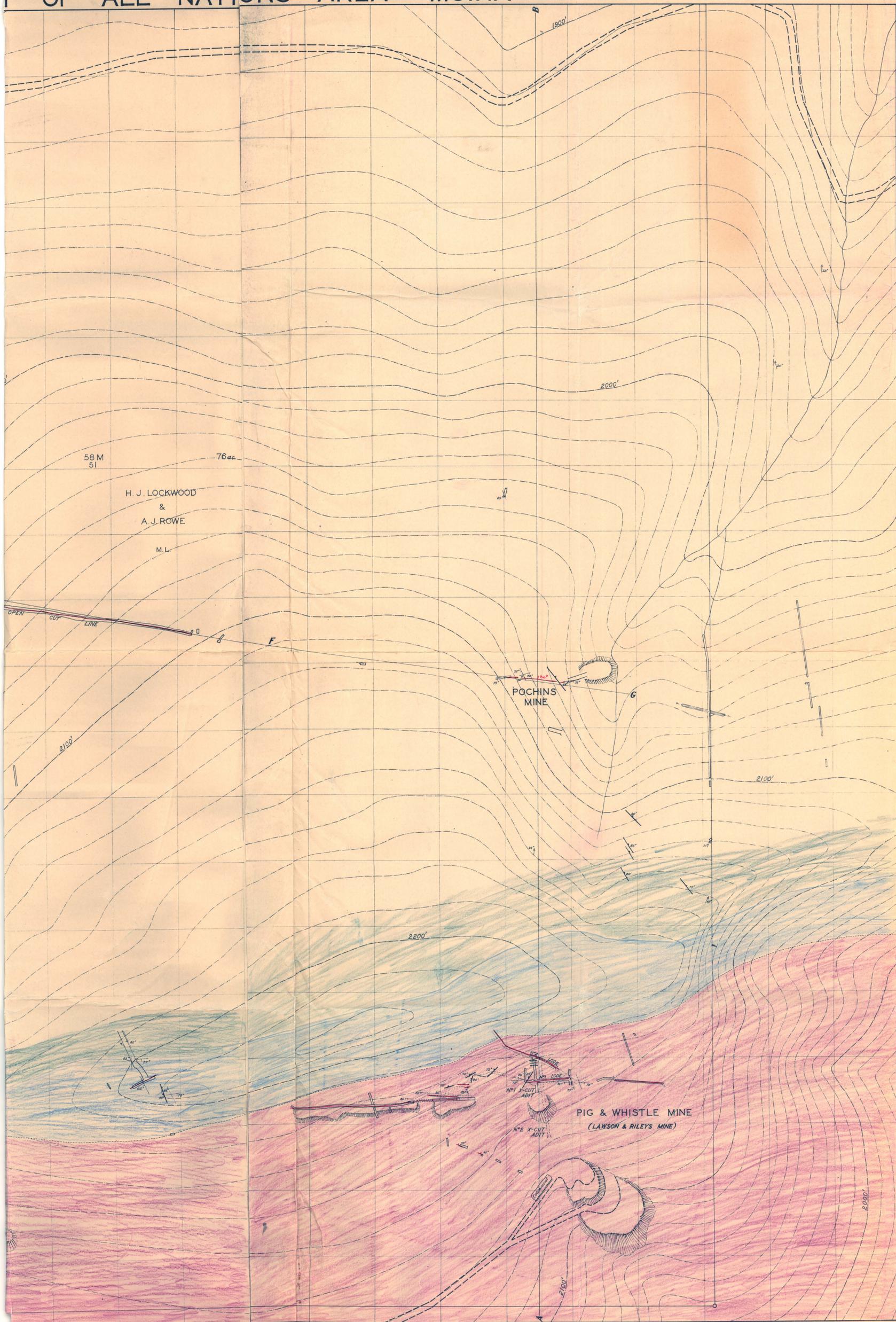
13

2

GEOLOGICAL MAP OF ALL NATIONS AREA — MOINA



P OF ALL NATIONS AREA — MOINA



**LEGEND**

**SEDIMENTARY ROCKS**

ORDOVICIAN QUARTZITES & SHALES

CONGLOMERATE

**METAMORPHIC ROCKS**

CAMBRIAN? PORPHYROID

**IGNEOUS ROCKS**

DEVONIAN GRANITE

PEGMATITES (WITH WOLFRAM)

APLITE DYKES (BARREN)

DIP DIRECTION AND ANGLE OF BEDS

JOINTS

FAULTS

N

SCALE

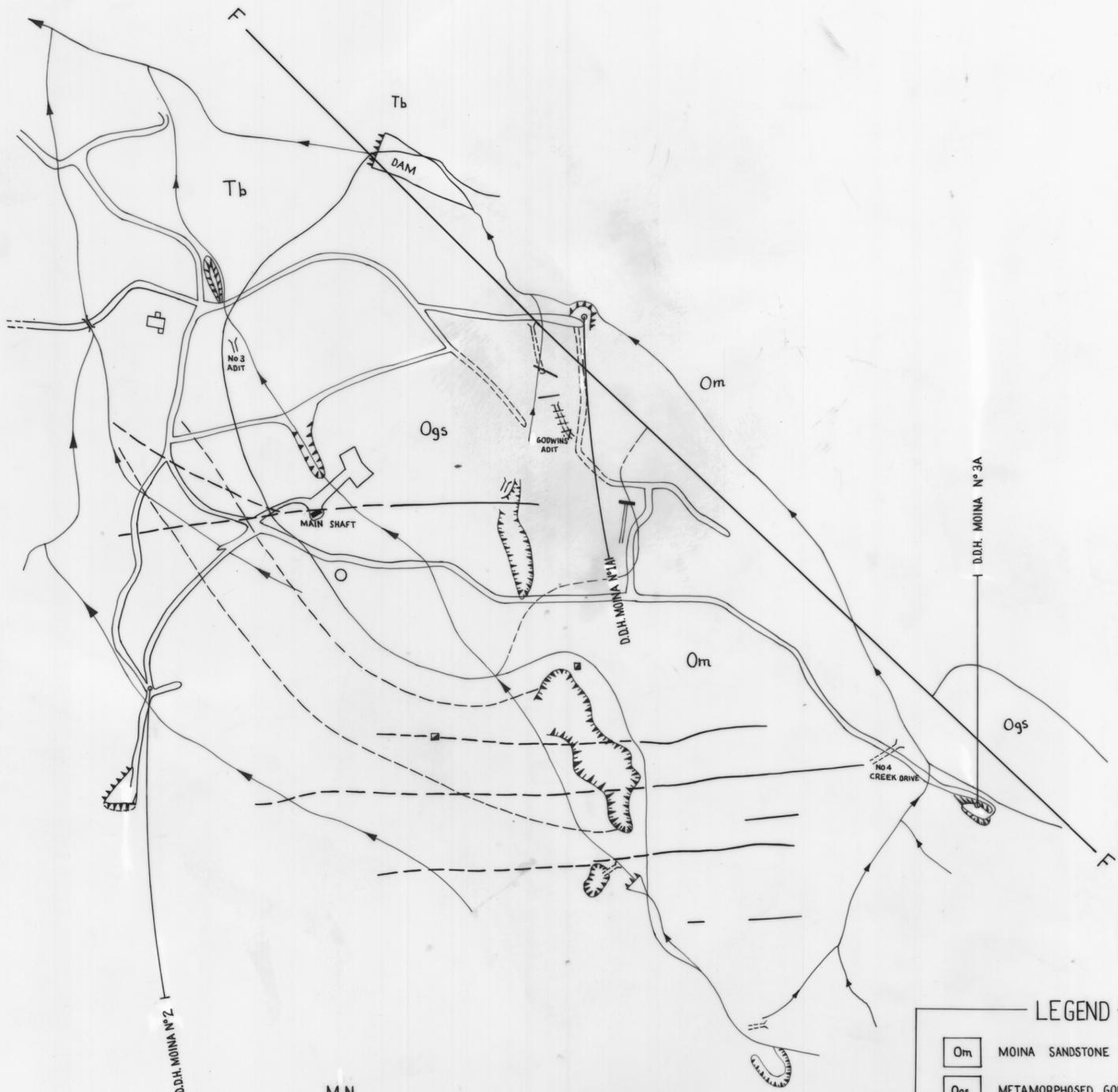
0 50 100 150 200 FT

1 IN = 50 FT

5 cm

**03-4918**

DEPARTMENT OF MINES — TASMANIA		
FIELD WORK	JOHN ELLISTON	REG. GEOLOGIST
FIELD WORK	L. G. NIXON	GEOLOGIST
PLAN	<i>[Signature]</i>	DRAUGHTSMAN
APPROVED	<i>[Signature]</i>	DIRECTOR OF MINES
DATE	NOV 1953	ZORINNA



**LEGEND**

Om	MOINA SANDSTONE
Ogs	METAMORPHOSED GORDON LIMESTONE
Tb	TERTIARY BASALT
—○—	DIAMOND DRILL HOLE
—	OUTCROPPING LODGE
- - -	LODGE BENEATH BASALTIC COVER
~ ~ ~	ROAD

03-4918

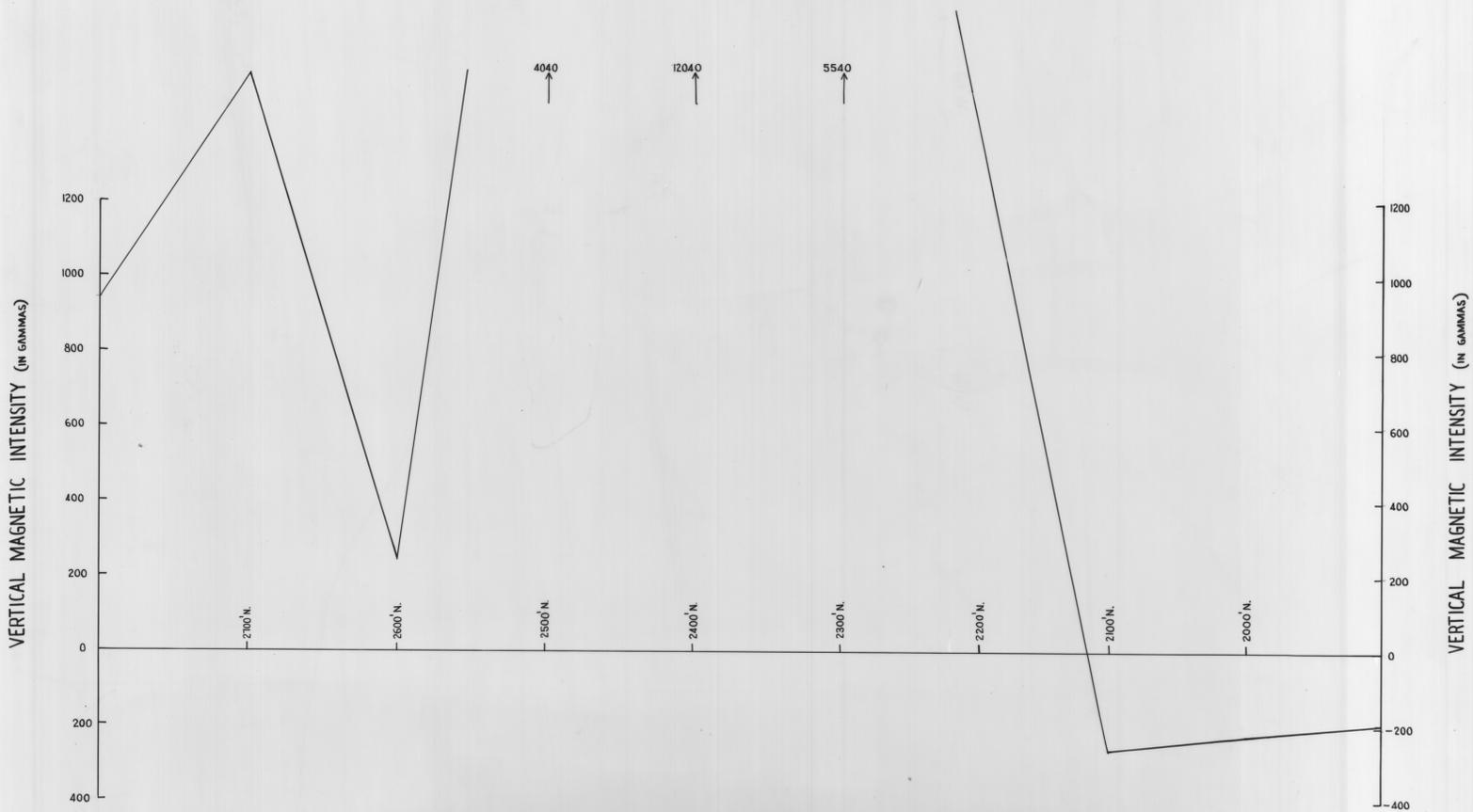
**THE MOUNT LYELL M. & R. COY. LTD.**  
GEOLOGICAL DEPARTMENT

**SHEPHERD & MURPHY MINE AREA**

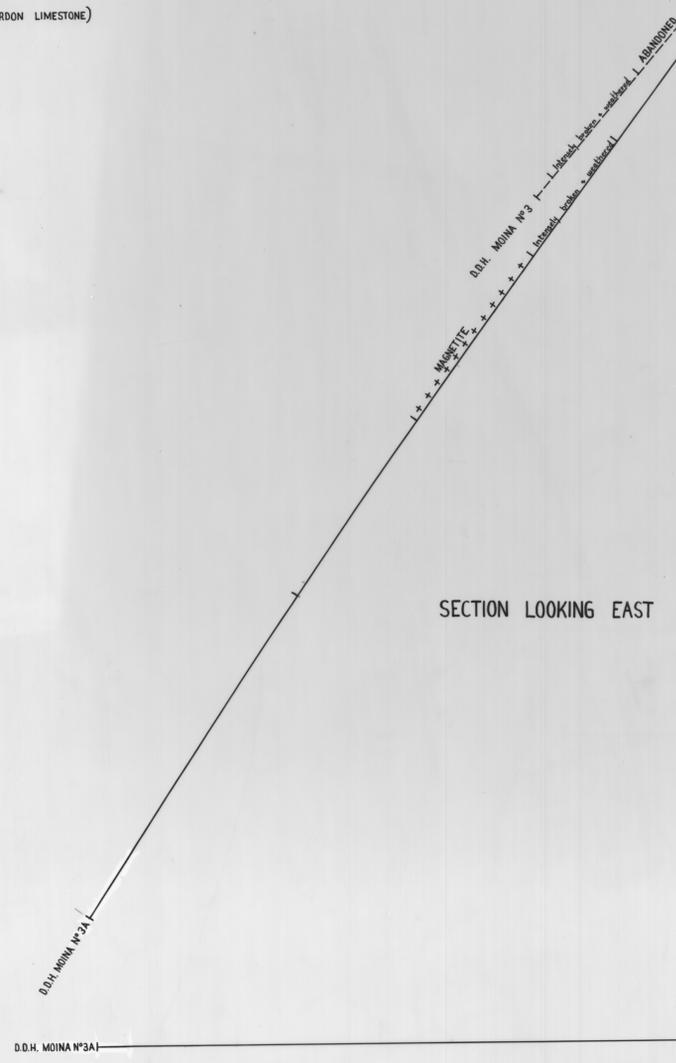
**GEOLOGICAL MAP**  
**MAP 3**

DRAWN J.P.M.K.	DATE 16-8-'71
TRACED R.G.W.	SCALE 1" = 200'
CHECKED J.P.H.L.	1 : 2400

5 cm



- LEGEND**
- ORDOVICIAN
  - SKARN (METAMORPHOSED GORDON LIMESTONE)
  - MOINA SANDSTONE
  - + MAGNETITE
  - + PYRITE
  - + MOLYBDENITE
  - + WOLFRAMITE
  - + GALENA

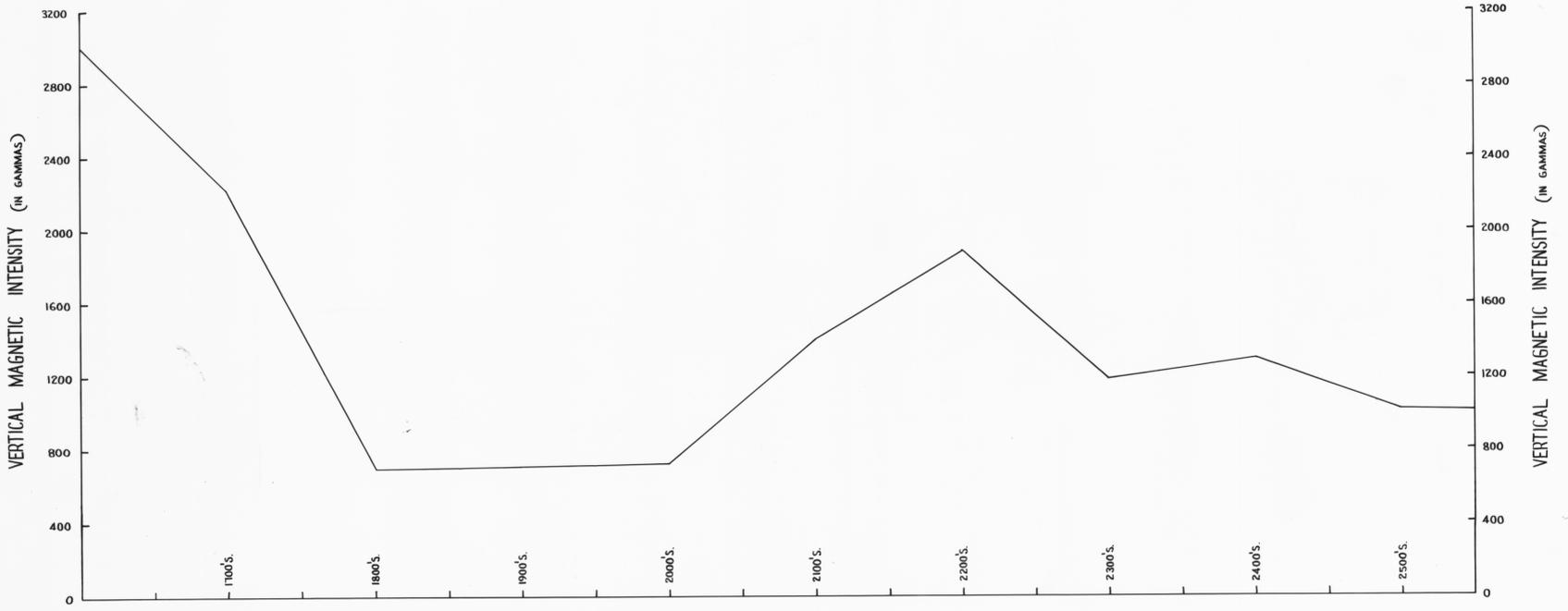


← MAGNETIC NORTH



03.4918

THE MOUNT LYELL M. & R. COY. LTD. EXPLORATION DEPARTMENT MOINA E.L. 8/65 SHEPHERD & MURPHY MINE MAGNETIC & DRILLING RESULTS LINE 10E	DRAWN: R.G.W. TRACED: R.G.W. CHECKED: J.P. HFK DATE: 2-7-71 SCALE: 1" = 50' 1" = 600'
	MAP 6



APPROXIMATE POSITION OF SURFACE

SECTION LOOKING EAST

LEGEND

- TERTIARY
  - CLAY AND SILTSTONE.
  - BASALT, BASALT BRECCIA, TUFF.
- ORDOVICIAN
  - SKARN (METAMORPHOSED GORDON LIMESTONE).
  - MOINA SANDSTONE.
- DEVONIAN
  - ▨ GRANITISED MOINA SANDSTONE.
  - DOLCOATH GRANITE.
- +++ MAGNETITE.
- +++ PYRITE.
- +++ MOLYBDENITE.
- +++ WOLFRAMITE.
- +++ GALENA.

← MAGNETIC NORTH

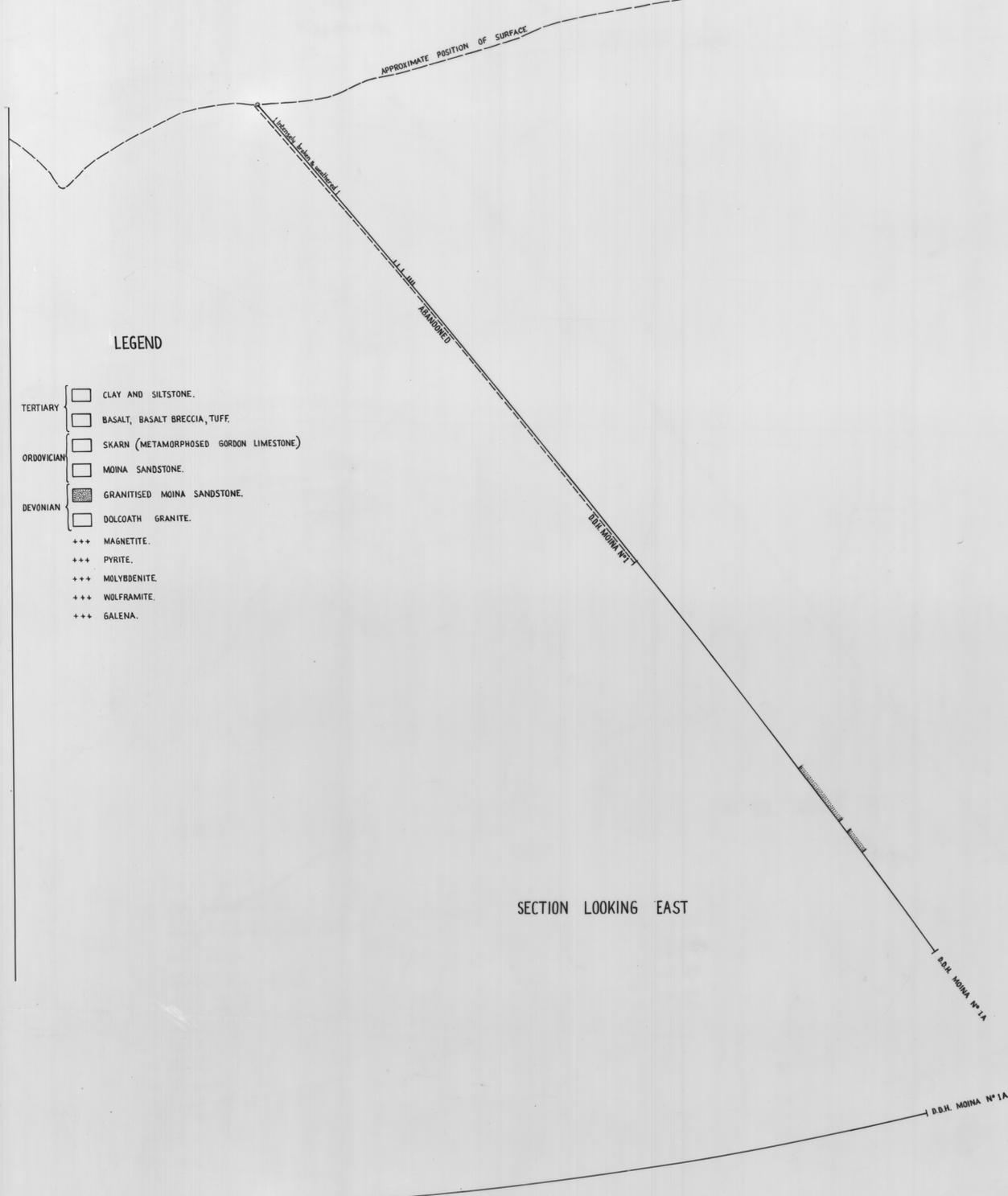
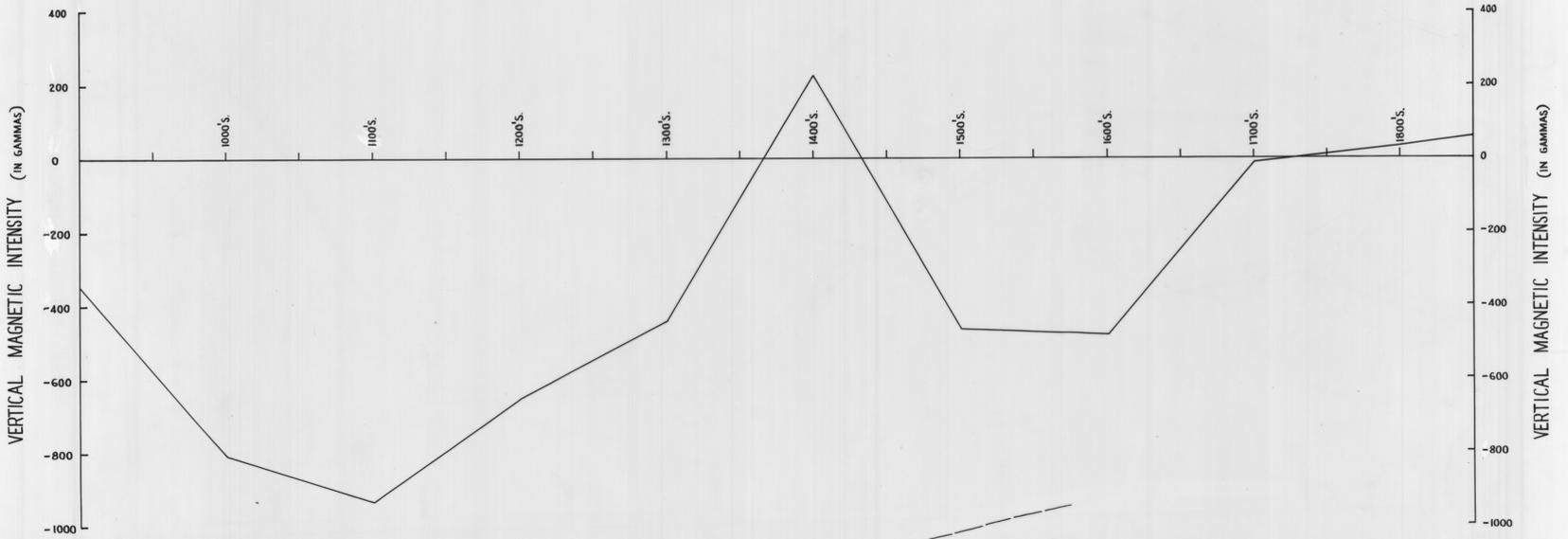
PLAN

5 cm

03 - 4918

THE MOUNT LYELL M. & R. COY. LTD  
 EXPLORATION DEPARTMENT  
 MOINA E.L. 8/65  
 SHEPHERD & MURPHY MINE  
 MAGNETIC & DRILLING RESULTS LINE 6E.

DRAWN R.G.W.  
 TRACED R.G.W.  
 CHECKED J.P.M.K.  
 DATE 12-5-71  
 SCALE 1" = 50'  
 1" = 600'  
 MAP 5



**LEGEND**

- TERTIARY
  - CLAY AND SILTSTONE.
  - BASALT, BASALT BRECCIA, TUFF.
- ORDOVICIAN
  - SKARN (METAMORPHOSED GORDON LIMESTONE)
  - MOIRA SANDSTONE.
- DEVONIAN
  - ▨ GRANITISED MOIRA SANDSTONE.
  - DOLCOATH GRANITE.
- +++ MAGNETITE.
- +++ PYRITE.
- +++ MOLYBDENITE.
- +++ WOLFRAMITE.
- +++ GALENA.

SECTION LOOKING EAST

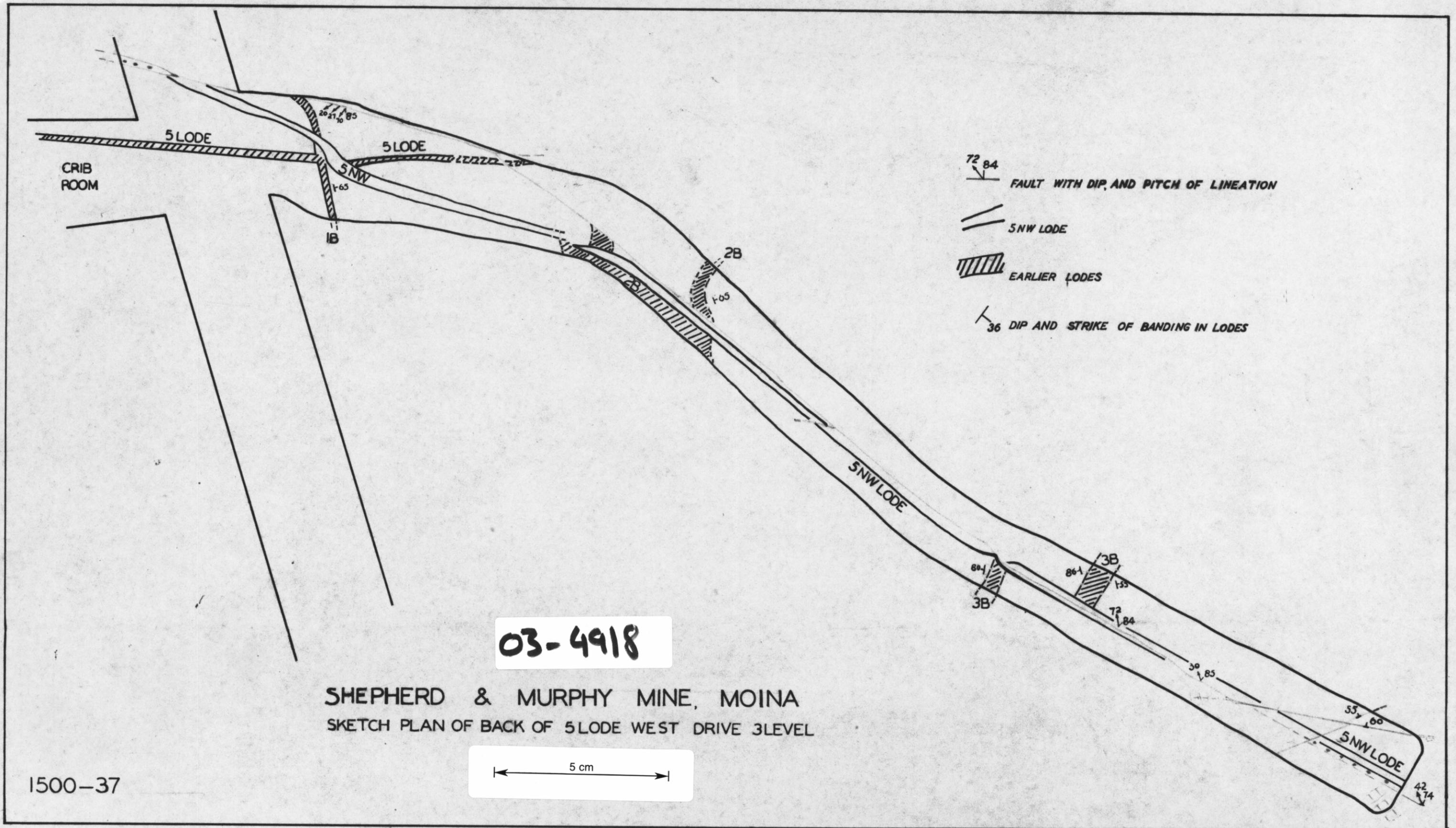
PLAN

← MAGNETIC NORTH



03-4918

THE MOUNT LYELL M. & R. COY. LTD.	DRAWN. R.G.W.
EXPLORATION DEPARTMENT	TRACED. R.G.W.
MOINA E.L. 8/65	CHECKED. J.P.K.
SHEPHERD & MURPHY MINE	DATE. 12-5-71
MAGNETIC & DRILLING RESULTS LINE 8E	SCALE. 1" = 50'
	MAP 4



72 84  
 FAULT WITH DIP, AND PITCH OF LINEATION

5NW LODE

EARLIER LODES

36 DIP AND STRIKE OF BANDING IN LODES

03-4918

SHEPHERD & MURPHY MINE, MOINA  
 SKETCH PLAN OF BACK OF 5LODE WEST DRIVE 3LEVEL

5 cm

1500-37

LINE 6

7

8

9

10/22

# GEOLOGICAL MAP SHEPHERD & MURPHY AREA

SCALE 0 200 400 600 FT

**LEGEND**

TERTIARY ———— GYPSALT

ORDOVICIAN ———— JUNEE GROUP (GARDON & LIMESTONES)

(TUBICULAR QUARTZITES)

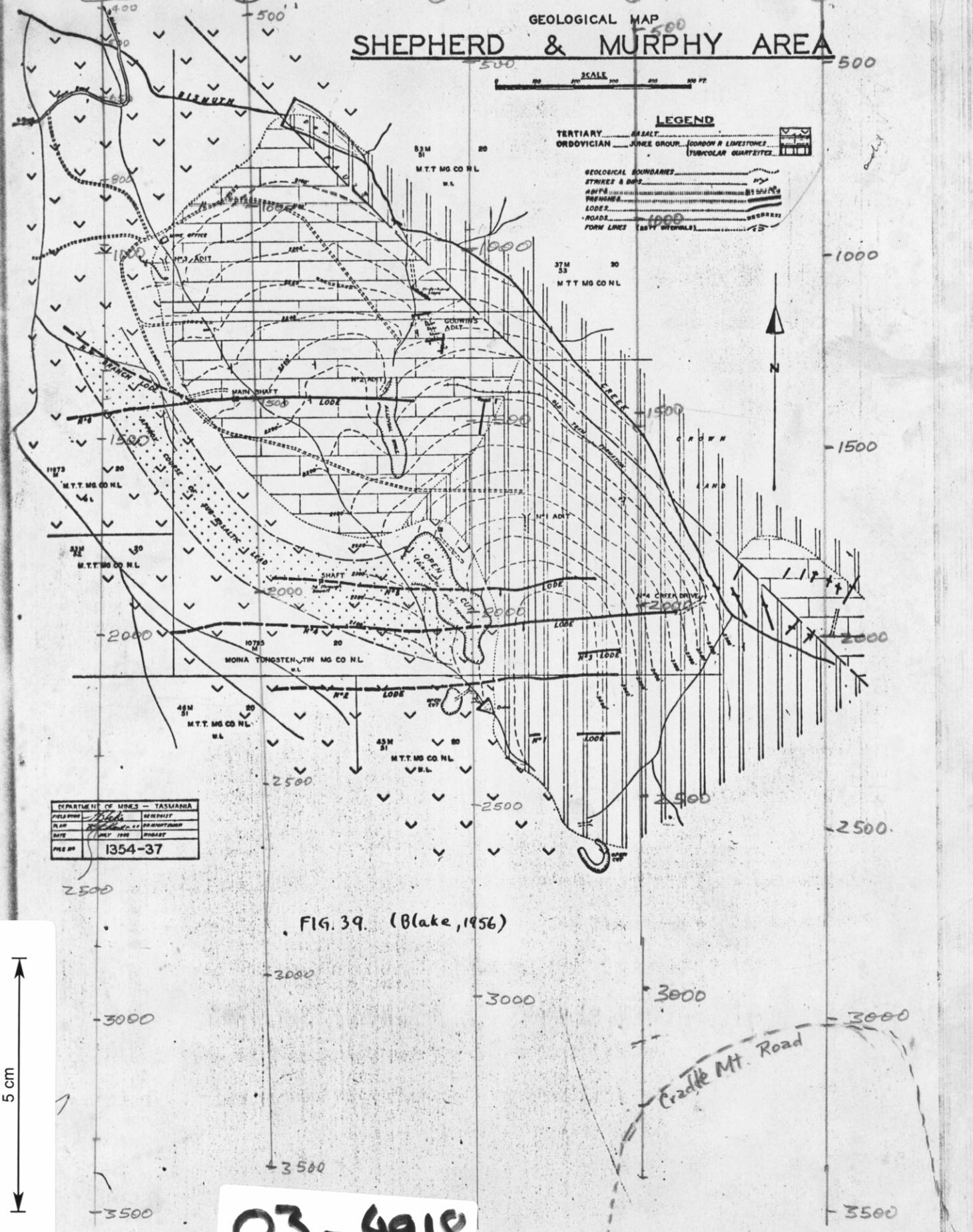
**GEOLOGICAL BOUNDARIES** ————

**STRIKES & DIPS** ————

**ADITS** ————

**ROADS** ————

**FORM LINES (50 FT INTERVALS)** ————

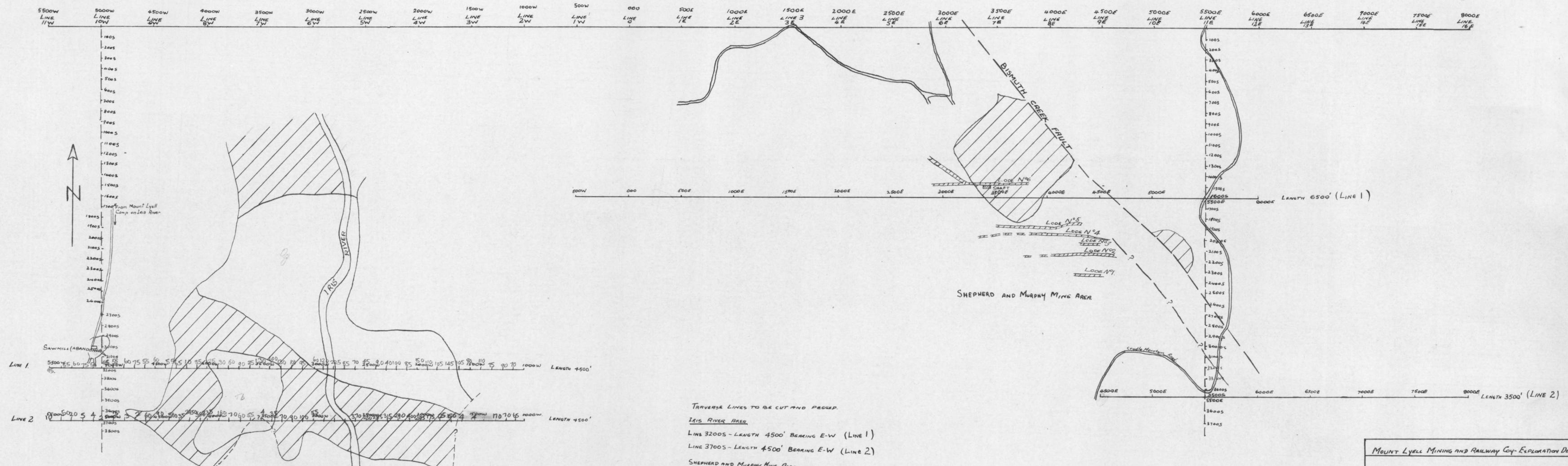


DEPARTMENT OF MINES - TASMANIA	
FIELD WORK	RECORDED
PL. NO.	DATE
DATE	BY
FILE NO.	1354-37

FIG. 39. (Blake, 1956)

5 cm

03-4918



TRaverse LINES TO BE CUT AND PEGGED.

IRIS RIVER AREA  
 LINE 3200S - LENGTH 4500' BEARING E-W (LINE 1)  
 LINE 3700S - LENGTH 4500' BEARING E-W (LINE 2)

SHEPHERD AND MURPHY MINE AREA  
 LINE 1600S - LENGTH 6500' BEARING E-W (LINE 1)  
 LINE 3500S - LENGTH 3500' BEARING E-W (LINE 2)  
 TOTAL LENGTH 19000'

03-4918

5 cm

MOUNT LYELL MINING AND RAILWAY COY. EXPLORATION DEP.

MOINA E.L. 8/65

GEOPHYSICAL GRID LINES - IRIS RIVER AND SHEPHERD AND MURPHY MINE AREAS.

SCALE 1" = 500'

DEC. 1969.

R.G.B.