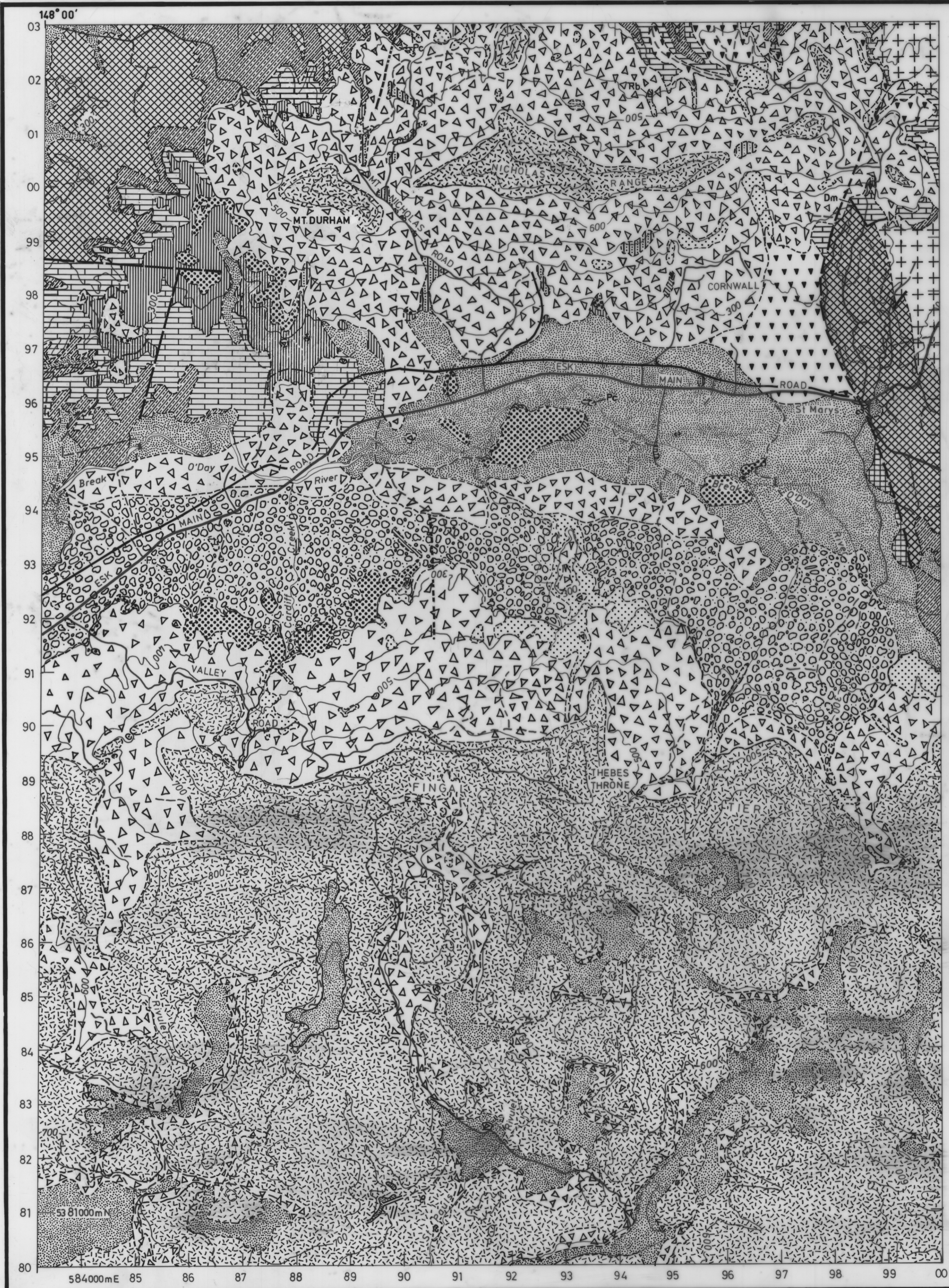


5 cm



# GEOLOGICAL MAP FINGAL-MT NICHOLAS COALFIELD

C.A. BACON 1983

GEOLOGY ADAPTED FROM C.R. CALVER AND P.W. BAILLIE 1980



CONTOUR INTERVAL 100 METRES

## LEGEND

### QUATERNARY

- River gravels, alluvium*
- Talus, composed dominantly of dolerite*
- Colluvium, composed dominantly of dolerite*
- Low angle unconformity*

### JURASSIC

- Fine-grained dolerite dykes (width exaggerated, strike approximate)*
- Dolerite*

### TRIASSIC

- Coal measure sequences (Rc); dominantly lithic sandstone (Rl)*
- Dominantly mudstone (Rm)*
- Basalt (Rb)*
- Dominantly quartz sandstone (Rs)*
- Erosional surface*

UPPER  
PARMEENER  
SUPER-GROUP

### PERMIAN

- Pebbly mudstone*
- Dominantly poorly sorted, pebbly, lithic sandstone*
- Usually calcareous sequence of bryozoal siltstone, pebbly sandstone, calcareous mudstone and massive limestone.*
- Fresh water quartz sandstone shale and conglomerate passing up into marine poorly sorted sandstone and mudstone*

LOWER

*Angular unconformity*

### DEVONIAN

- St Marys Porphyry-quartz feldspar-pyroxene porphyry*

### SILURIAN-DEVONIAN

- Mathinna beds-interbedded quartzwacke and mudstone*

- Geological boundary-position approximate*
- Fault-position approximate*
- Concealed fault*