

KWINWARD

GRATIS ISSUE

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ISOPACHS BULLI SEAM

Wollongong SI/56-9, 8928, 8929, 9028, 9029 & 9129

REFERENCE

— 3 Isopach of full section of Bulli Seam (feet)

- - - 4 Isopach of probable minimum working thickness

▨ Seam intruded and cindered

- · - · - Southern Catchment Coal Reserve boundary



SCALE

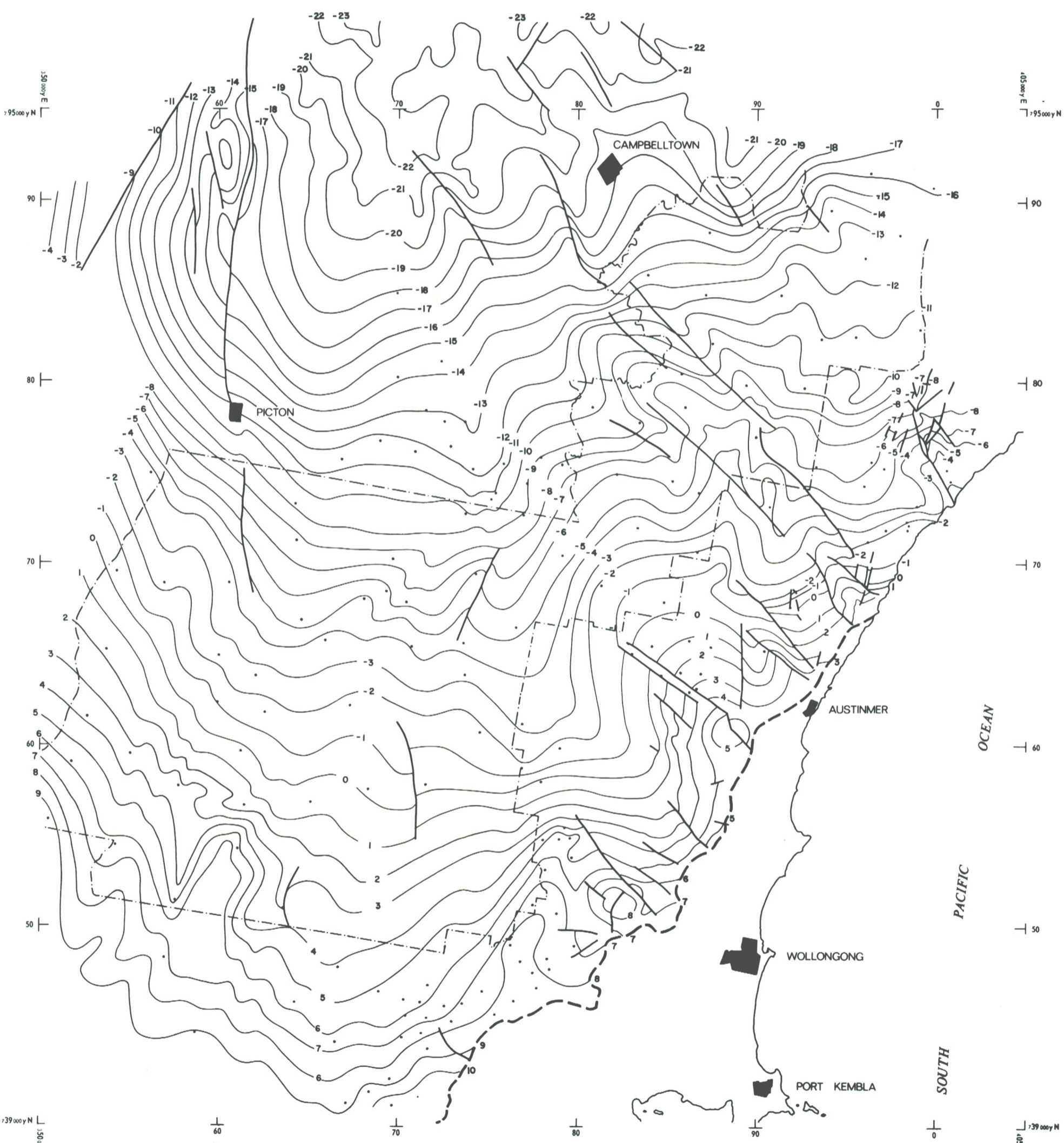


STRUCTURE CONTOURS ON ROOF OF BULLI COAL

Supplemented by Colliery Data and A.O.G. Seismic Information
Wollongong 51/56-9, 8928, 8929, 9028, 9029 & 9129

REFERENCE

-  Seam outcrop
-  Fault
-  Structure contour on roof of Bulli Coal (hundreds of feet)
-  Bore
-  Southern Catchment Coal Reserve boundary

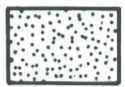
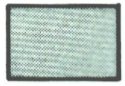




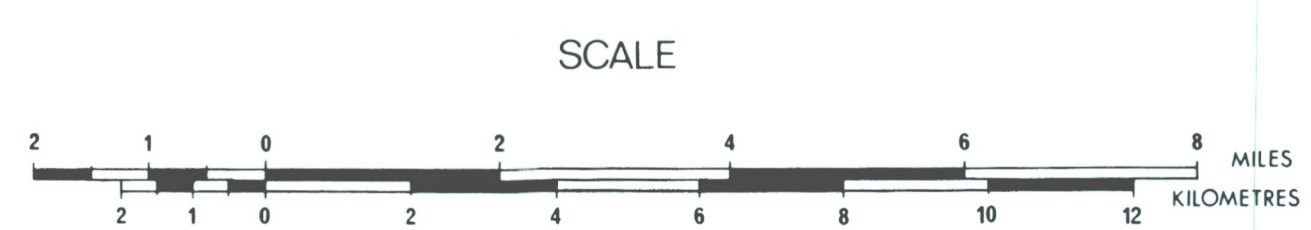
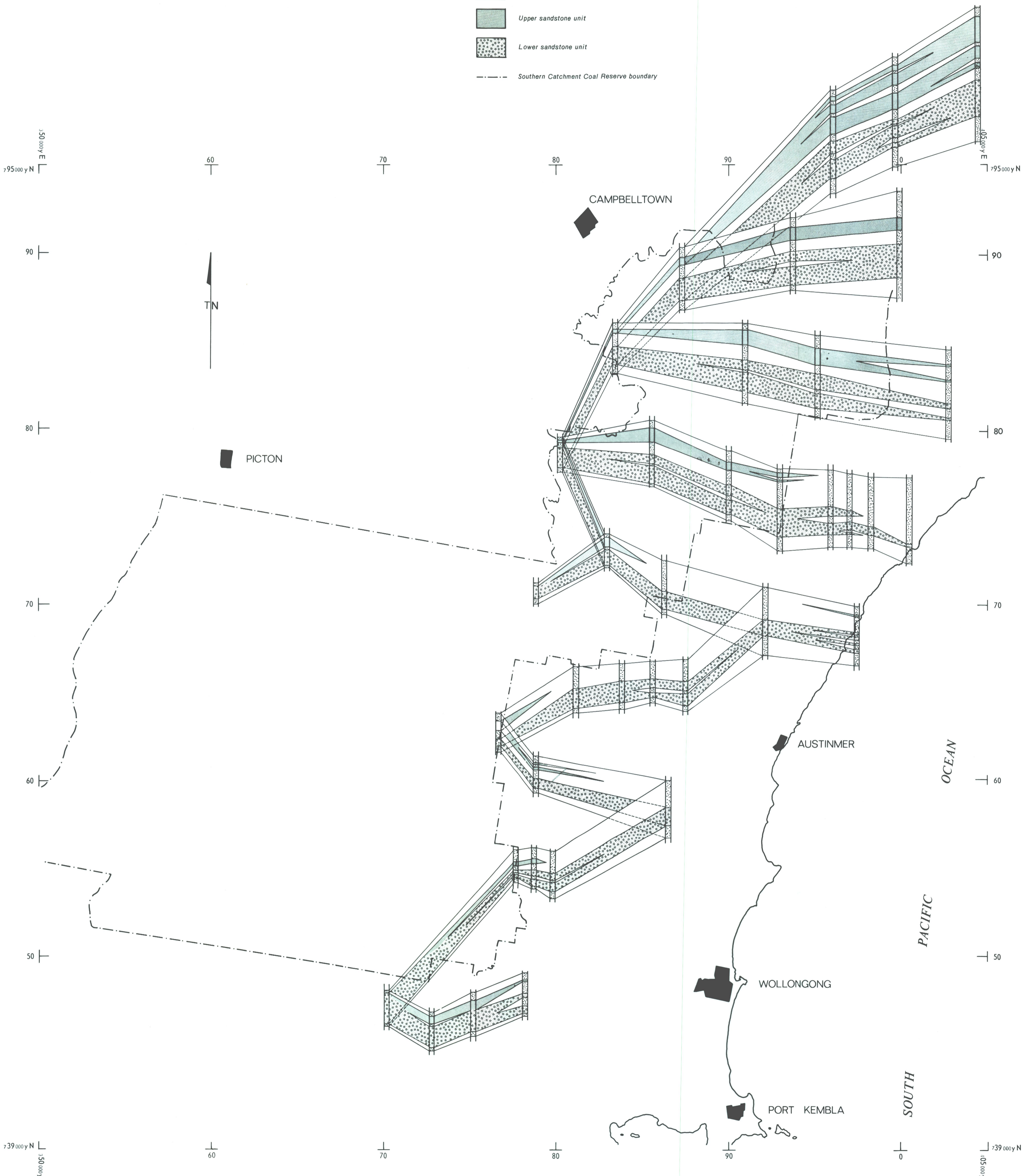
SCALE



FENCE DIAGRAM OF THE STANWELL PARK CLAYSTONE

Wollongong 51/56-9 8928, 8929, 9028, 9029 & 9129





- REFERENCE
-  Claystone
 -  Upper sandstone unit
 -  Lower sandstone unit
 -  Southern Catchment Coal Reserve boundary

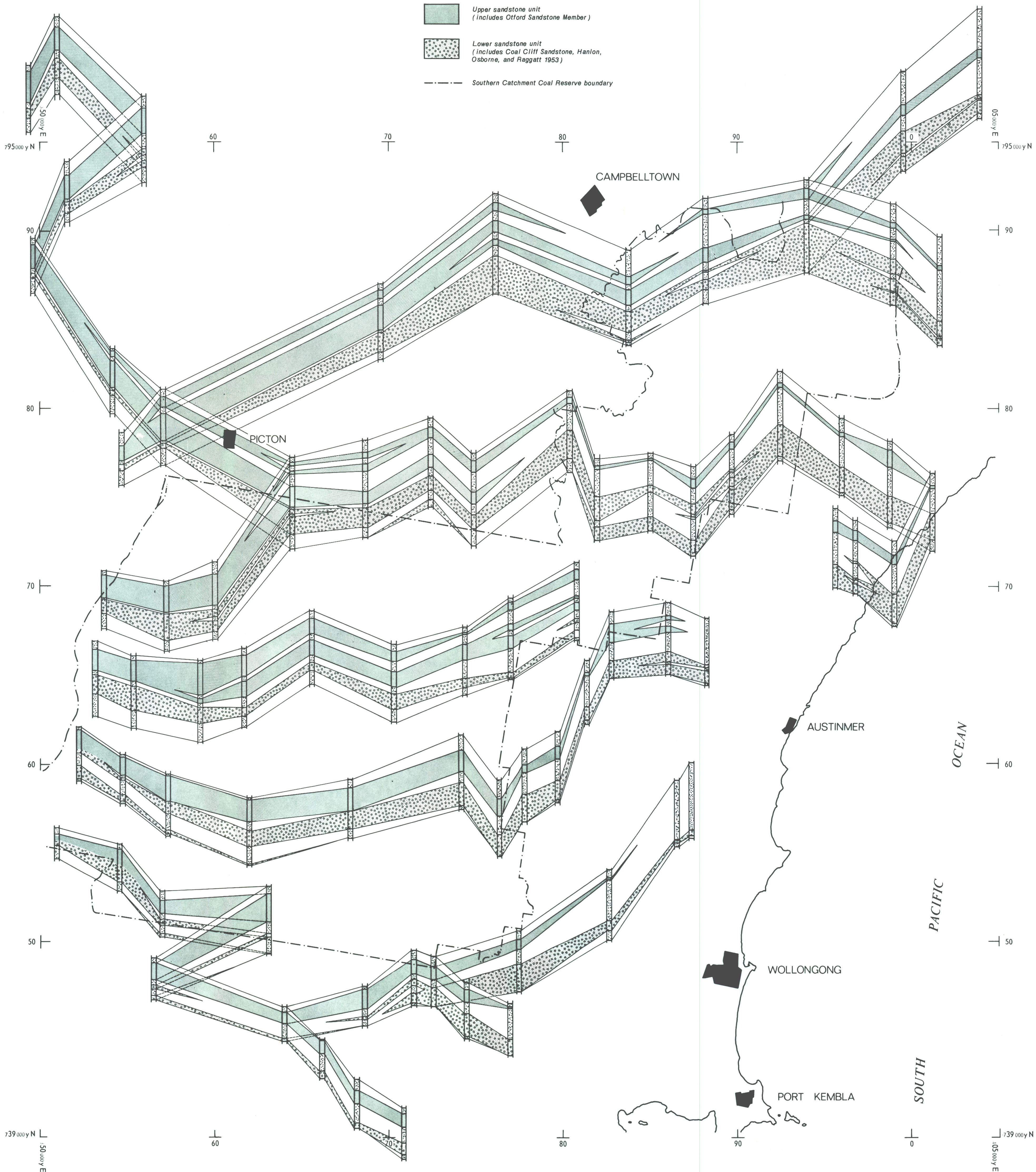


FENCE DIAGRAM OF THE WOMBARRA FORMATION

Wollongong S1/56-9 8928, 8929, 9028, 9029 & 9129

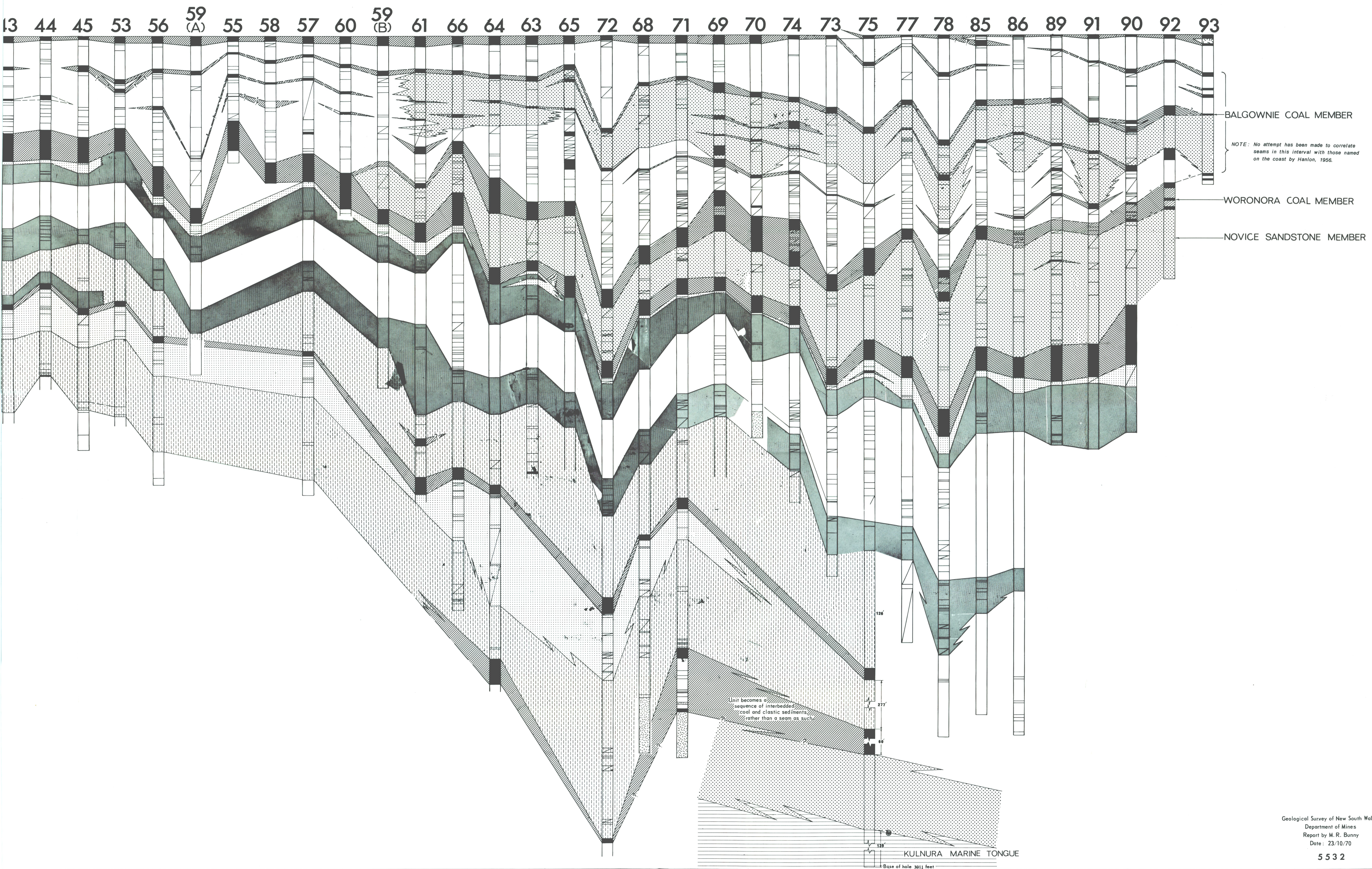
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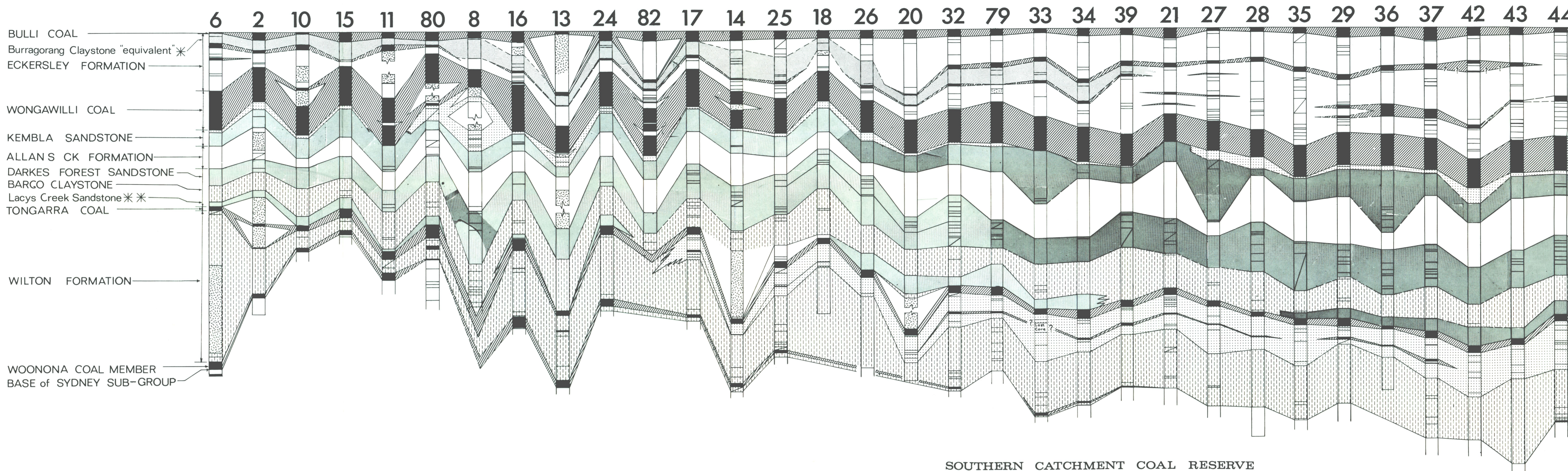
-  Claystone
-  Upper sandstone unit
(includes Ottford Sandstone Member)
-  Lower sandstone unit
(includes Coal Cliff Sandstone, Hanlon,
Osborne, and Raggatt 1953)
-  Southern Catchment Coal Reserve boundary



SCALE







SOUTHERN CATCHMENT COAL RESERVE

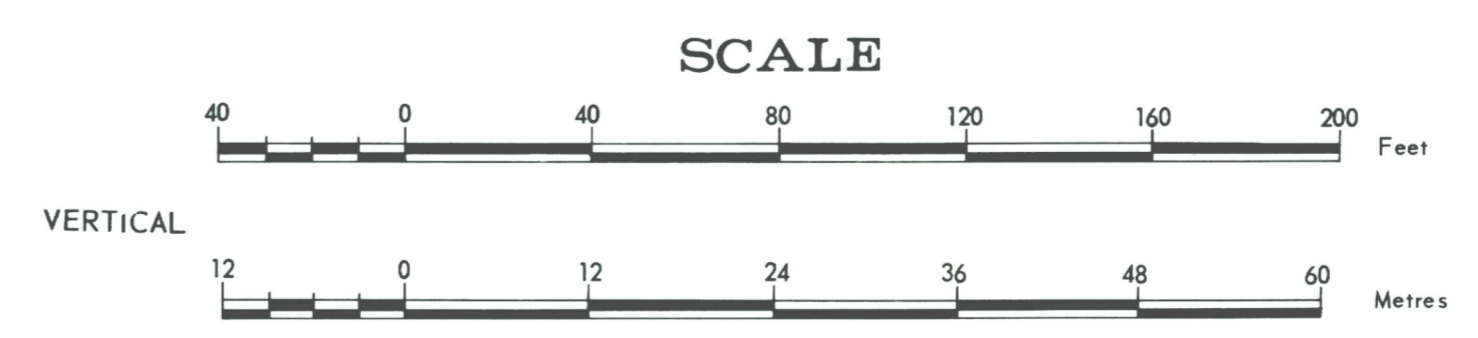
CORRELATION IN SYDNEY SUB-GROUP

* BURRAGORANG CLAYSTONE
 Nicholson et al. (1965) have identified the Burragorang Claystone in the extreme west of the Bargo area. They correlated an equivalent interval (as shown above) noting, however, that the unit becomes more sandy in an easterly direction, until it eventually loses identity.

** LACYS CREEK SANDSTONE
 This unit is the equivalent of the basal part of the Bargo Claystone in the Burragorang Valley. It can be seen from the above section that the sandstone delineated is discontinuous. A similar sandstone occurs at the base of the Bargo Claystone at the coastal outcrop. It is not known whether the Lacys Creek Sandstone of the type area, the sandstones defined above, and the coastal sandstone are contiguous, but the last two can be regarded as Lacys Creek Sandstone equivalents, at least.

- These formations contain mixed lithologies
- Coal and carbonaceous (coaly) sediments
- Burragorang Claystone "equivalent"
- Deltaic sands with associated top delta coals
- Sandstone - essentially fluvial
- Shale - essentially fluvial
- Silty sediments - essentially fluvial
- Shale - marine
- Igneous material
- Section condensed for convenience
- Marine shelly fossils

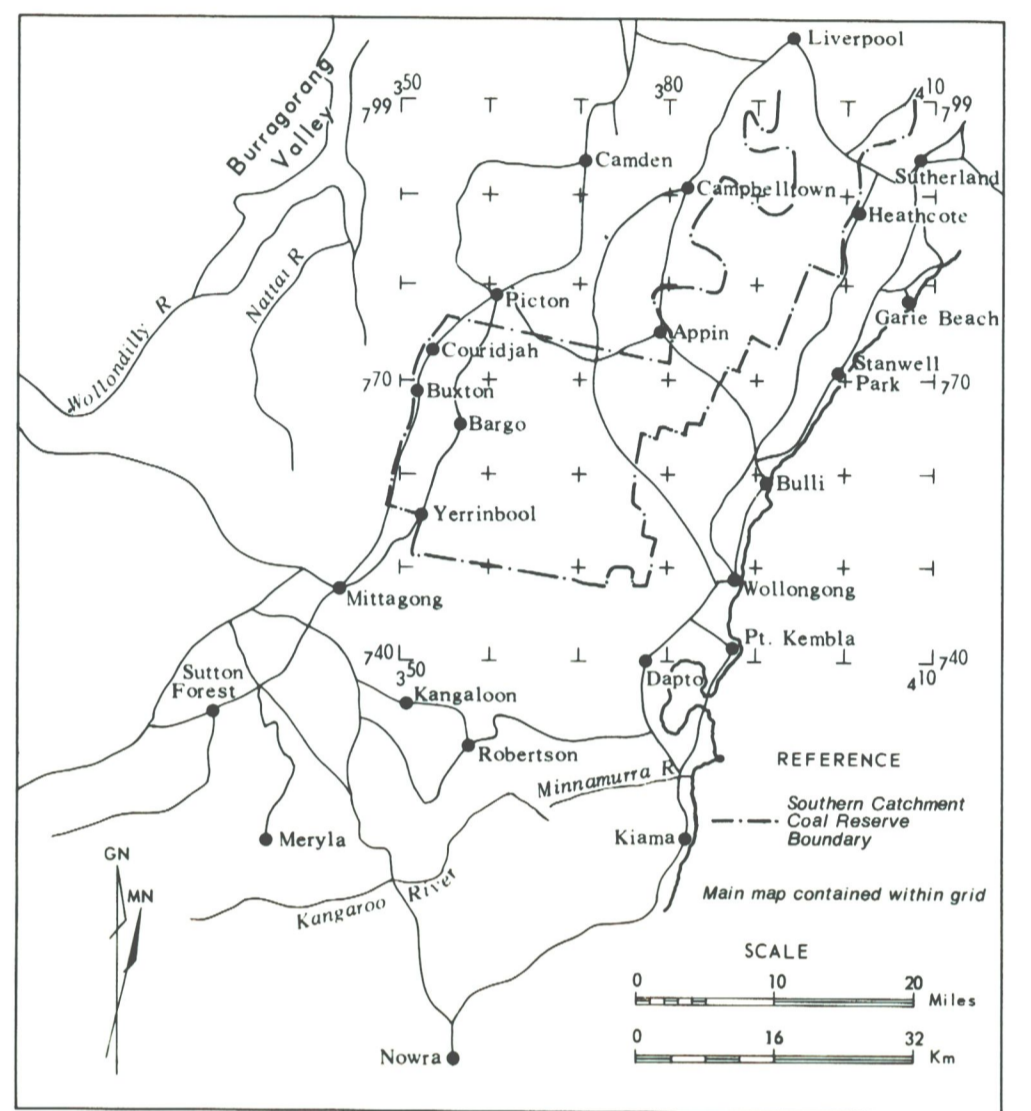
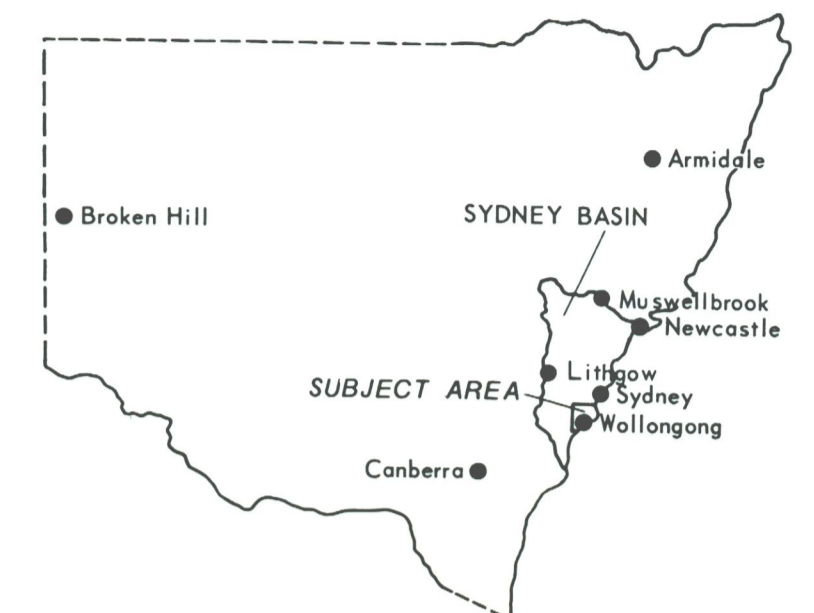
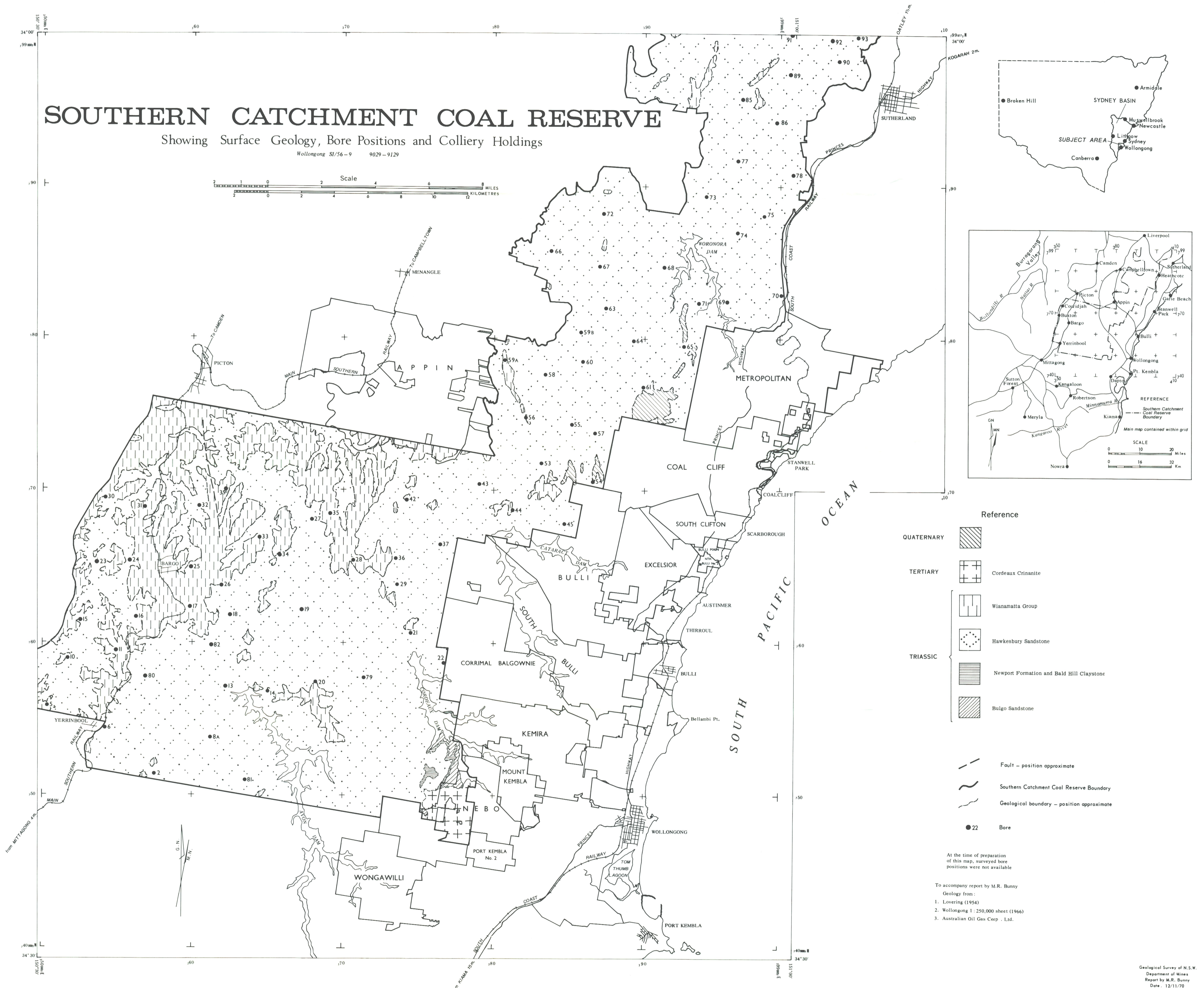
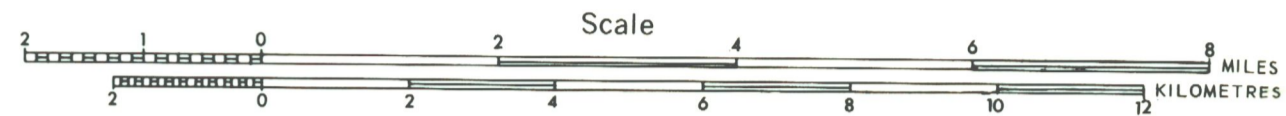
COMPILATION OF SECTION
 This composite section has been compiled by joining bore 6 (in the extreme southwest) and bore 93 (in the extreme northeast) and projecting, at right angles to this line, 61 other bores. As the section is thus spacially unrealistic, an arbitrary equal spacing has been used between bores. It is significant, however, that the section is essentially normal to sedimentary strike, and thus depicts maximum basinwards thickening of the sequence.



SOUTHERN CATCHMENT COAL RESERVE

Showing Surface Geology, Bore Positions and Colliery Holdings

Wollongong SI/56-9 9029-9129



- Reference**
- QUATERNARY
 - TERTIARY Cordeaux Crininite
 - Wianamatta Group
 - Hawkesbury Sandstone
 - TRIASSIC Newport Formation and Bald Hill Claystone
 - Bulgo Sandstone
 - Fault - position approximate
 - Southern Catchment Coal Reserve Boundary
 - Geological boundary - position approximate
 - Bore

At the time of preparation of this map, surveyed bore positions were not available

To accompany report by M.R. Bunney
 Geology from:
 1. Lovering (1954)
 2. Wollongong 1:250,000 sheet (1966)
 3. Australian Oil Gas Corp. Ltd.