

Rotary chip cuttings and drillcore were logged in detail. Cored intervals were logged immediately after drilling to minimise bed moisture loss. They were then sealed in PVC tubing or plastic for despatch to CSR's NATA-registered testing laboratory. Analytical work on ply samples generally comprised determination of total moisture, specific energy and relative density, together with proximate analysis. Selected mining sections were then composited and a more comprehensive suite of tests undertaken.

All borehole data (geological and analytical) have been encoded for computer storage and manipulation. Subsequent geological evaluation has centred on computer modelling leading to plan and section generation and calculation of coal reserves. Additional recent work has been in the area of seam lithotype analysis and sedimentological modelling.

#### 4.2 Exploration During the Quarter Ended 22 May 1984

Over the period 14-18 May 1984 four boreholes to a total metreage of 200.1m were drilled to test the balck coal bearing potential of the Upper Parmeener Super-Group "coal measures" sequence cropping out south of the Hummocky Hills, 16 km north-west of Conara Junction.

Borehole locations are shown on the 1:100,000 scale plan of EL20/80, given as Figure 4.2, and results summarised in Table 4.2. No coal was intersected, each hole passing from thin contact metamorphosed (baked) sediments into dolerite of unknown thickness. Consequently, the programme was abandoned after only 200m of the planned 600m of drilling had been completed.