

1942/3.

Geological Branch,
Department of Supply & Development,
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

11th March, 1942.

FURTHER REPORT ON SAMPLES FROM W.R. JOHNSTON'S BORE,
NEAR BOURKE, NEW SOUTH WALES.

Received from the Water Conserv-
ation & Irrigation Commission on
11th February, 1942.

A preliminary report on these samples was forwarded on 19/2/'42, the final report being delayed until the results of a mineralogical examination of two rock types, prominent in samples from 1542 feet down to 1549 feet was available. The results of this examination are now available.

The "white to black, calcareous rock", common in samples from 1548 feet down to 1553 feet consists of "angular fragments of slate or mudstone together with an occasional small fragment of quartz and chlorite, cemented together by carbonate". The "greenish-grey, cherty rock" from 1542 feet down to 1549 feet is "an extremely fine-grained mudstone".

It was hoped that this petrological examination would give some indication as to the age of these lower beds but nothing further can be added to the conclusions given in the preliminary report.

(Irene Crespin)
Commonwealth Palaeontologist.