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MEMORANDUM

COAL OUTCROPS IN DU CANE QUADRANGLE

Introduction: Coal occurrences in Du Cane Sheet are described by Reid A.M. (1919) "The Mount Pelion Mineral District" G.S.B. 30, pp 79-80 and in "The Coal Resources of Tasmania", Min. Res. No. 7, pp 239-241. Brief visits have been made to collect samples and to locate the outcrops on the new topographic map.

General Geology:
Overlying the Permian mudstones of the Ferntree Group is a sequence of alternating sandstone and mudstone, roughly 215' thick, then sandstone and laminated siltstone, roughly 715' thick on Pelion East, where the total thickness of the sandstone sequence is 930 feet.

Coal Outcrops: Acropolis: An 8" seam is exposed on the Acropolis track from Pine Valley at 3300 s.l. 4058E 8352N, with sandstone roof and shale floor.

Pelion East: The base of the sandstone sequence is at 3470' s.l. A 3" seam with pebbly sandstone roof and shale floor, was found at 3520 s.l, 4053E 8463N, or 50' above the base of the sandstone.
A 16" seam, with roof and floor of grey fissile siltstone was found at 3700' s.l, 4054E 8463N, or 230' above the base of the sandstone.

Paddys Nut: A 21" seam with sandstone roof, shale floor, was found approximately 175' above the base of the sandstone at 3785 ± 20 s.l. 40205E 84605N. Workings consist of a long trench down the hill.

Thetis Saddle: The base of the sandstone is at 3610 s.l, the saddle at 3900 s.l. A 4" seam, with sandstone roof and floor, is exposed 250' above the base of the sandstone at 3860 s.l, 4013E 8460N.
The coal workings described in previous literature were not located.

Conclusions: Coal occurrences in this area are uneconomic but micropulaeontological work may provide useful correlations within Du Cane sheet, and information of interest from a State wide viewpoint.

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