

OCCURRENCES OF DUNDAS

GROUP ROCKS

58-224

Occurrences of Dundas Group Rocks.  
L.E.E. 29/4/58.

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The University of Tasmania,  
Box 6470, G.P.O.,  
HOBART.

415002

29.4.58

Dear Mr. Hadzpath,

I am sending today a geological and a structural map of your Arthur concession. These are based geographically on the state 4 mi/1" map. They include all published information of which I know dealing with the area, personal unpublished observations and reconnaissance photo-geological interpretations.

I understand from Dr. Scott that you are interested in the occurrences of Dundas group rocks. There is no clear evidence of these within the area. There is a possibility of them just west of Adamsfield and just east of New River Lagoon, in both places just beneath the Owen Conglomerate. The areas showing on the 1947 state geological map as Cambrian were those then known to contain rocks of the Piesan Group, now split up into the Precambrian Carbine Group and its equivalents and the Cambrian Dundas Group and its equivalents. The rocks shown in the Arthur area as Cambrian are not typical of the Dundas Group and where I have seen them, e.g. west of Adamsfield and south of Tim Shea, or seen specimens, e.g. from the Huon or Cracroft Valleys, I would consider them to be Precambrian on lithological grounds. The areas in the Huon and Cracroft Valleys and perhaps also the New River Valley as Ordovician-Silurian limestones are dolomites, except near the mouth of the New River, and are presumably Precambrian. The area between Mt. Mueller and the Huon River shown as Tremadocian (i.e. Owen Conglomerate), I would consider as Precambrian on lithological and photogeological grounds. No evidence to support a Tremadocian age is known to me. The area of serpentinite on the Veld River is very doubtful judging from descriptions but that on the Styx River may be correct, being exposed by erosion through the Lower Permian beds known to occur in the vicinity.

Yours faithfully,

sgds M.R. Panks  
Senior Lecturer.

NO MAP  
at Rosebery

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