

5 cm

TASMANIA 1:100 000 TOPOGRAPHIC SURVEY

FRANKLIN

DEPARTMENT OF MINES TASMANIA GEOLOGY-PROPOSED GORDON RIVER DAMSITES

REFERENCE

<b>HOLOCENE</b>		Alluvium sand gravel and talus
<b>PLEISTOCENE</b>		Till fluvio-glacial periglacial and associated deposits
		Erosional surface
<b>TERTIARY</b>		Non-marine sequences (light) Marine limestone (dark) Basalt and related igneous rock types (stippled)
<b>TRIASSIC</b>		Low angle unconformity
<b>PERMIAN</b>		Fluvio-lacustrine sequences of sandstone siltstone Mudstone (light) with carbonaceous sequences indicated (dark)
<b>UPPER CARBONIFEROUS</b>		Upper fresh water sequence with some coal measures
		Upper glacio-marine sequence of pebbly mudstone pebbly sandstone and limestone
		Lower fresh water sequence with some coal measures
		Lower glacio-marine sequence of pebbly mudstone pebbly sandstone minor limestone Tauxemite oil shale and basal tillite

WESTERN TASMANIA

<b>UPPER - MIDDLE DEVONIAN</b>		Terrestrial covered fillings
		Unconformity attributed to Tabberabberan Orogeny
<b>LOWER DEVONIAN - SILURIAN</b>		Some quartzwacke sequences (dark) and siltstone-shale sequences (light) indicated Devonian limestone-siltstone (horizontally lined over-print)
<b>ORDOVICIAN</b>		Limestone sequence
		Siliceous terrestrial conglomerate marine quartzwacke and siltstone
		Unconformity in northern Tasmania and parts of western Tasmania attributed to Cambrian movements apparent conformity in Adamsfield region and parts of western Tasmania
<b>CAMBRIAN</b>		Middle-upper Cambrian fossiliferous usually greywacke turbidite sequences (horizontally lined overprint) acid with intermediate volcanic and associated rocks (dotted) and basins with fossiliferous Upper Cambrian shallow water deposits (vertically lined overprint) basic-intermediate volcanic and associated rocks (diagonally lined overprint) probably Cambrian unfossiliferous usually greywacke turbidite sequences (light) probably Cambrian unfossiliferous orthoquartzite sequence (dotted)
		Usually unconformity attributed to Penguin Orogeny but apparent conformity at Smithton and Pigeon River
		Comparatively unmetamorphosed sequences: Mudstone-sandstone sequences (u) - dominantly mudstone (light), dominantly orthoquartzite (dark), quartzwacke turbidite successions (small dot over-print), conglomerate (large dot over-print), dolomite (horizontally lined over-print), basalt lava (vertically lined over-print)
		Metamorphic rocks: Pelitic sequences (dark), metagraywacke sequences (light) with some platy quartzite units indicated (vertically lined over-print), amphibolite (diagonally lined over-print), Garnet bearing rocks are indicated (g)

EUGENANA BEDS  
 ELDON GROUP AND CORRELATES;  
 SPERO BAY GROUP  
 JUNEE GROUP AND CORRELATES.  
 INCLUDING DUNDAS GROUP (fossiliferous); MT READ VOLCANICS AND OTHER FORMATIONS

IGNEOUS ROCKS

<b>TERTIARY</b>		Basalt and related rock types
<b>CRETACEOUS</b>		Syenite
		Anorthite
<b>JURASSIC</b>		Dolerite and related rock types
<b>LOWER CARBONIFEROUS - UPPER DEVONIAN</b>		Dominantly adamellite-granite
		Dominantly granodiorite
		Dominantly diorite
<b>CAMBRIAN</b>		Granitic rocks
		Gabbro and dolerite
		Serpentine, peridotite and associated rocks
		Acid with intermediate volcanic and associated
		Basic-intermediate volcanic and associated rocks
<b>PRECAMBRIAN</b>		Granite
		Dolerite

Undifferentiated rocks are indicated by the lightest colour and the letter 'u' or 'v'. Blank boxes indicate absence of rock unit from this map sheet.

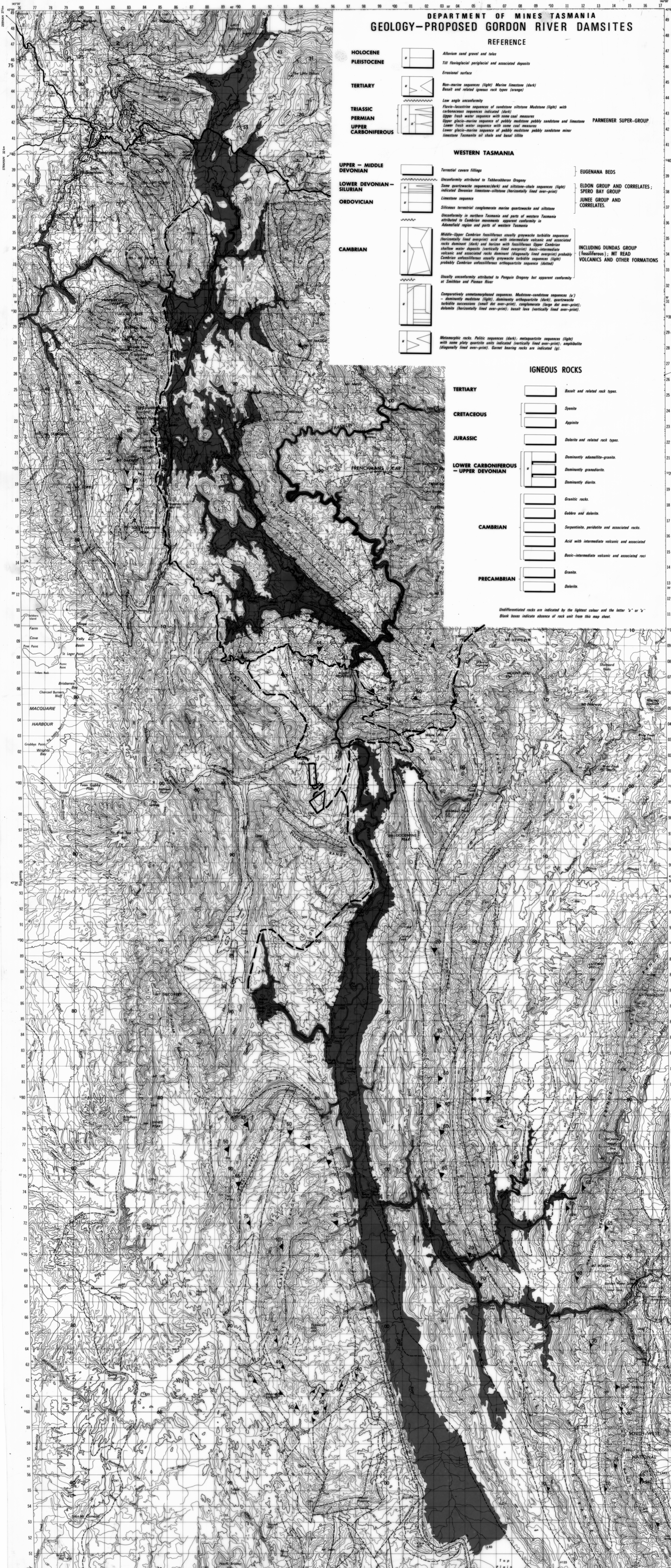


FIG. 2.