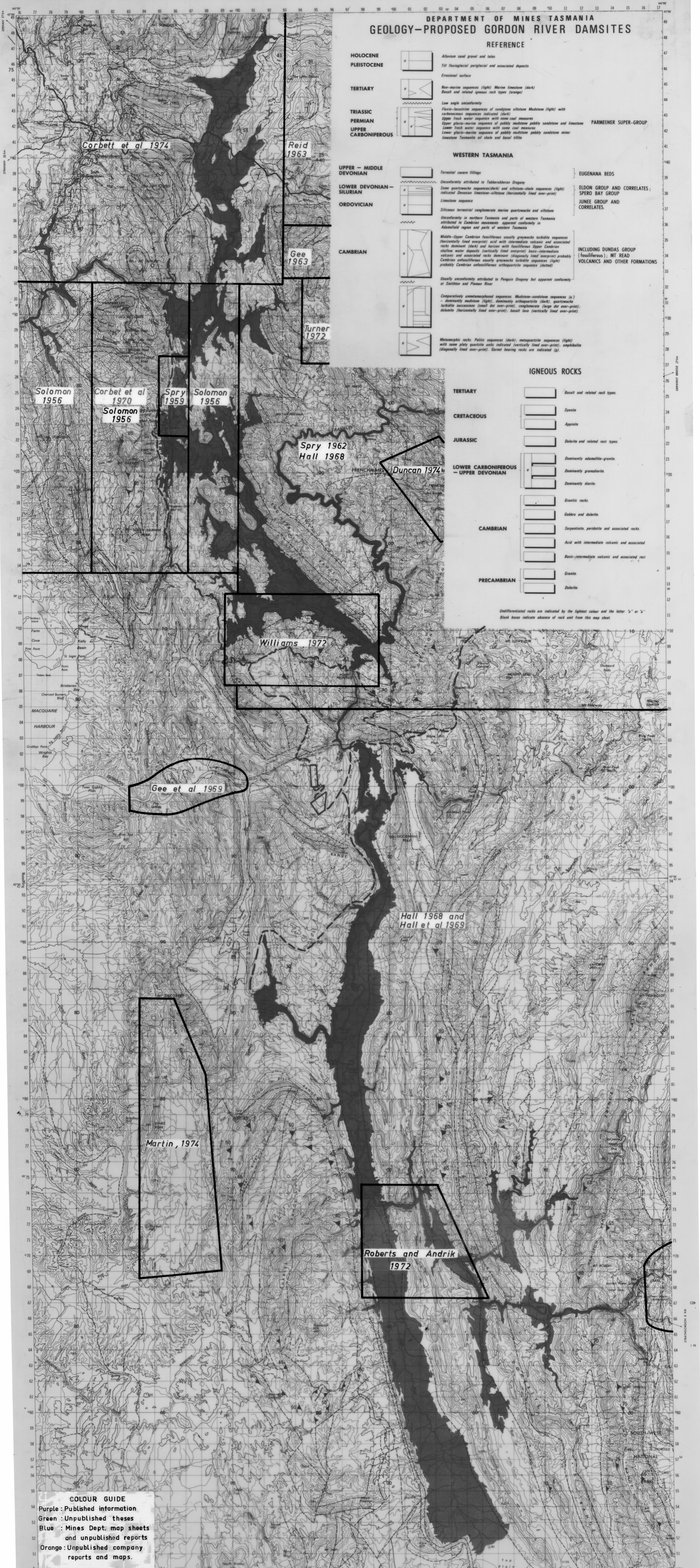


TASMANIA 1:100 000  
TOPOGRAPHIC SURVEY

FRANKLIN



DEPARTMENT OF MINES TASMANIA  
GEOLOGY-PROPOSED GORDON RIVER DAMSITES

REFERENCE

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

WESTERN TASMANIA

- UPPER - MIDDLE DEVONIAN** Terrestrial cavern fillings
- LOWER DEVONIAN - SILURIAN** Unconformity attributed to Tabberabberan Orogeny
- ORDOVICIAN** Some quartzite sequences (dark) and siltstone-shale sequences (light) indicated Devonian limestone-siltstone (horizontally lined over-print) Limestone sequence Siliceous terrestrial conglomerate marine quartzite and siltstone
- CAMBRIAN** Unconformity in northern Tasmania and parts of western Tasmania attributed to Cambrian movements apparent conformity in Adamsfield region and parts of western Tasmania Middle-Upper Cambrian fossiliferous usually greywacke turbidite sequences (horizontally lined over-print) acid with intermediate volcanic and associated rocks (dominant) (dark) and basins with fossiliferous Upper Cambrian shallow water deposits (vertically lined over-print) basic-intermediate volcanic and associated rocks (diagonally lined over-print) 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 Pieman River Comparatively unmetamorphosed sequences: Mudstone-sandstone sequences (u) - dominantly mudstone (light), dominantly orthoquartzite (dark), quartzite 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), metaquartzite sequences (light) with some platy quartzite units indicated (vertically lined over-print); amphibolite (diagonally lined over-print); Garnet bearing rocks are indicated (g)

IGNEOUS ROCKS

- TERTIARY** Basalt and related rock types
- CRETACEOUS** Syenite
- JURASSIC** Appinite
- LOWER CARBONIFEROUS - UPPER DEVONIAN** Dominantly adamellite-granite
- CAMBRIAN** Dominantly granodiorite
- PRECAMBRIAN** Dominantly diorite
- PRECAMBRIAN** Granitic rocks
- PRECAMBRIAN** Gabbro and dolerite
- PRECAMBRIAN** Serpentine, peridotite and associated rocks
- PRECAMBRIAN** Acid with intermediate volcanic and associated
- PRECAMBRIAN** Basic-intermediate volcanic and associated rocks
- PRECAMBRIAN** Granite
- PRECAMBRIAN** 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.

**COLOUR GUIDE**  
 Purple: Published information  
 Green: Unpublished theses  
 Blue: Mines Dept. map sheets and unpublished reports  
 Orange: Unpublished company reports and maps.

FIG. 2.