3979-B

224

5 cm
TASMANIA 1:100 000
TOPOGRAPHIC SURVEY
FRANKLIN
REFER TO THIS MAP AS:
DEPARTMENT OF MINES TASMANIA
GEOLOGY–PROPOSED GORDON RIVER DAMSITES
REFERENCE
HOLOCENE
PLEISTOCENE
Alluvium sand gravel and talus
Till fluvioglacial periglacial and associated deposits
Errosional surface
TERTIARY
Non–marine sequences (light) Marine limestone (dark)
Basalt and related igneous rock types (orange)
Low angle unconformity
TRIASSIC
PERMIAN
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 fresh water sequence with some coal measures
Lower glacio–marine sequence of pebbly mudstone pebbly sandstone minor limestone Tasmanite oil shale and basal tillite
PARMEENER SUPER–GROUP
WESTERN TASMANIA
UPPER – MIDDLE DEVONIAN
Terrestial cavern fillings
EUGENANA BEDS
Unconformity attributed to Tabberabberan Orogeny
LOWER DEVONIAN – SILURIAN
Some quartzwacke sequences(dark) and siltstone–shale sequences (light) indicated Devonian limestone–siltstone (horizontally lined over–print)
ELDON GROUP AND CORRELATES; SPERO BAY GROUP
ORDOVICIAN
Limestone sequence
Siliceous terrestrial conglomerate marine quartzwacke and siltstone
JUNEE GROUP AND CORRELATES.
Unconformity in northern Tasmania and parts of western Tasmania attributed to Cambrian movements apparent conformity in Adamsfield region and parts of western Tasmania
CAMBRIAN
Middle–Upper Cambrian fossiliferous usually greywacke turbidite sequences (horizontally lined overprint) acid with intermediate volcanic and associated rocks dominant (dark) and horizon with fossiliferous Upper Cambrian shallow water deposits (vertically lined overprint) basic–intermediate volcanic and associated rocks dominant (diagonally lined overprint) probably Cambrian unfossiliferous usually greywacke turbidite sequences (light) probably Cambrian unfossiliferous orthoquartzite sequence (dotted)
INCLUDING DUNDAS GROUP (fossiliferous); MT READ VOLCANICS AND OTHER FORMATIONS
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), 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); 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
Appinite
JURASSIC
Dolerite and related rock types.
LOWER CARBONIFEROUS – UPPER DEVONIAN
Dominantly adamellite–granite.
Dominantly granodiorite.
Dominantly diorite.
CAMBRIAN
Granitic rocks.
Gabbro and dolerite.
Serpentinite, peridotite and associated rocks.
Acid with intermediate volcanic and associated
Basic–intermediate volcanic and associated roc
PRECAMBRIAN
Granite.
Dolerite.
Undifferentiated rocks are indicated by the lightest colour and the letter "u" or "u'"
Blank boxes indicate absence of rock unit from this map sheet.
DERWENT BRIDGE 27 km
MT LLEWELLYN
MOUNT SEAL
FRENCHMANS CAP
MACQUARIE HARBOUR
CONVERSION TABLE