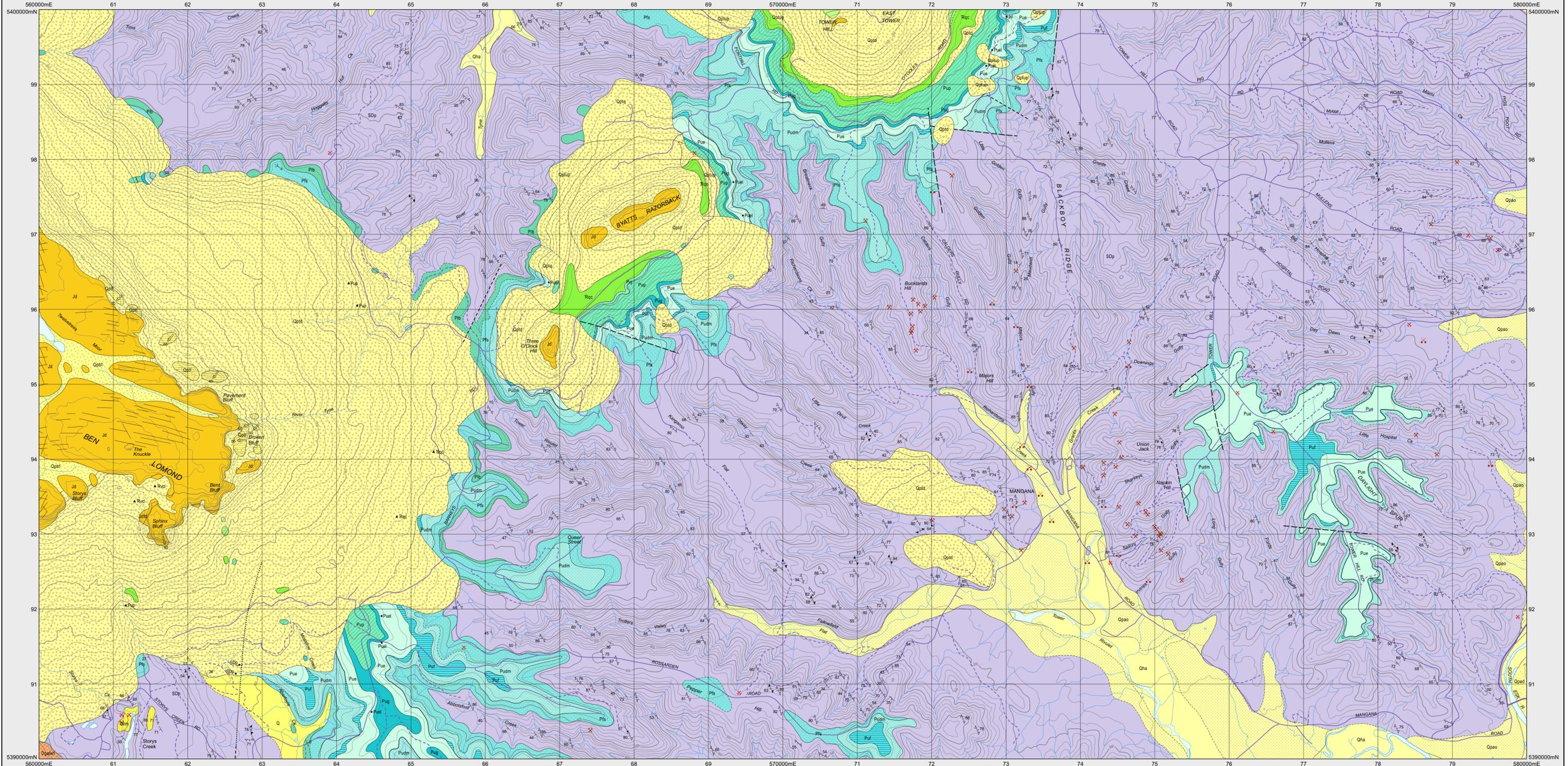


MANGANA

Scale 1:25 000



CEANOZOIC	
QUATERNARY	<p>HOLOCENE</p> <ul style="list-style-type: none"> Qhm Undifferentiated deposits (Q). Mine tailings and disturbed ground (Qhm). Qha Stream alluvium, swamp and marsh deposits (Qha). Qpao Older alluvium of river terraces (Qpao). Qpad Older alluvium of river terraces predominantly dolerite derived (Qpad). <p>PLEISTOCENE</p> <ul style="list-style-type: none"> Qpt Talus, scree and rare till (Qpt). Talus consisting dominantly of dolerite boulders (Qptd). Talus consisting of dolerite and subordinate Upper Parmeener rocks (Qptup), of dominantly Upper Parmeener quartz sandstone (Qptq). Qpbf Dolerite block fields, probably underlain by clay from weathered dolerite with interstitial fines (Qpbf). Qptf Topped dolerite masses (>100m), coherent or partly disaggregated, produced by cliff failure (Qptf).
----- Unconformity.	

MESOZOIC	
TRASSIC	<ul style="list-style-type: none"> Rvcl Dominantly lithic sandstone with minor mudstone and coal (Rvcl). Rrvcl Quartz-rich lithic sandstone and minor quartz sandstone (Rrvcl), with mudstone and carbonaceous mudstone (Rrvclm). Rqc Cross-bedded quartz sandstone (Rqc).
----- Erosional surface.	
PERMIAN	<ul style="list-style-type: none"> Pq Fine-grained, slightly felspathic quartz sandstone, micaceous shale and minor carbonaceous mudstone (Pq). Pup Poorly-sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams (Pup). Beds of pebbly sandstone about 1m thick (Pupp). Pue Dominantly bioclastic limestone (Pue). (Puef: Burnt Gully Limestone). Pue Marine fossiliferous mudstone, siltstone and minor sandstone and bioclastic limestone (Pue). Puf Fine-grained pebbly sandstone with phosphatic nodules. Marine fossils present in some areas. Thin (~2m thick) unit denuded by thick line in some places. (Puf). (Puf: Fonthill Sandstone Member). Pudm Mudstone, siltstone and minor poorly sorted sandstone. Uncommon marine fossils (Pudm). (Pue, Puf, Pudm: Castle Carey Mudstone). Pis Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate are rare coal (Pis). Pib Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pib).
----- Unconformity.	
DEVONIAN - SILURIAN	<ul style="list-style-type: none"> SDp Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (SDp).

IGNEOUS ROCKS	
Jd	Dolerite (Jd), very fine-grained (0.2 - 0.7mm) dolerite (JdVf), dolerite fine-grained with later very fine-grained dykes (JdVf).
Dgafw	Fine- to medium-grained, equigranular alkali feldspar granite (Dgafw), (Dgafw: Gipps Creek Granite; S-type).

BEN LOMOND BATHOLITH

CONTACTS	
—	Geological contact.
- - - - -	Geological contact - inferred.
---	Limit of mapping of sub-unit within undifferentiated rock unit.

FAULTS	
---	Fault.
- - - - -	Fault - inferred.
.....	Fault - concealed.

LINEARS	
---	Lineament - visible on aerial photographs.

SOURCE DIAGRAM	
A	Highly detailed (eg. more detailed than 1:25 000 scale mapping).
B	Detailed systematic (eg. 1:25 000 map or equivalent detail).
C	Regional systematic (eg. 1:50 000, 1:63 360 map or equivalent detail).
D	Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
E	Reconnaissance mapping with sparse ground traverses.
F	Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by M.P. McClenaghan, B.Sc. (Hons), 1994 from the following sources (see source diagram):
A. CALVER, C.R. EVERARD, J.L. FINLAY, R.H. and LENNOX, P.G. 1988. Geological Atlas 1:50 000 Series, Sheet 48 (8414N), Ben Lomond, Tasmania Department of Mines.

REFERENCE THIS MAP AS:
MCCLLENAGHAN, M.P. (Compiler) 1994. Digital Geological Atlas 1:25 000 Scale Series, Sheet 5639 Mangana, Mineral Resources Tasmania.

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Website: www.mrt.tas.gov.au
GDA94 - MGA Zone 55. Contour interval: 20 metres.

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