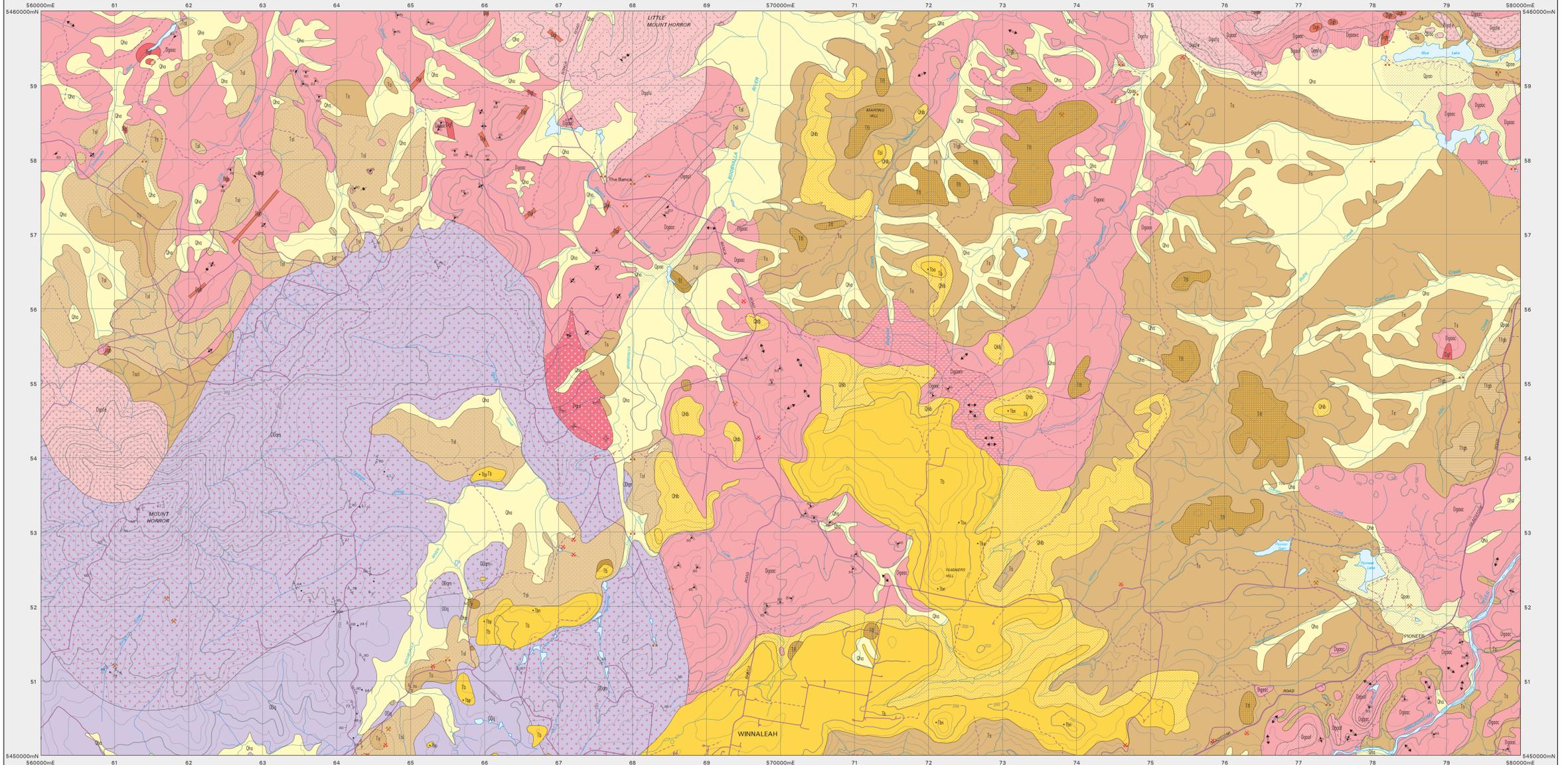


# PIONEER

Scale: 1:25 000



<b>QUATERNARY</b>	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qpa	Older alluvium of river terraces (Qpa).
	Qhb	Basalt derived lag deposit (Qhb).
<b>TERTIARY</b>	Ta	Conglomerate, gravel, sand, silt, mud and clay (Ta); grey-silty and siltystone (Tga); gravel lag (Tla); lag of Macintyre Group clasts (Tcl); ferricrete lag (Tfl); Ferricrete (Tf); Basaltic rock (Tb).
<b>ORDOVICIAN - SILURIAN(?) EARLY DEVONIAN</b>	DDa	Unconformity
	DDm	Quartzite turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (DDa); contact metamorphosed by granitic intrusion (DDm) (DDg: Mathinna Group).
<b>IGNEOUS ROCKS</b>	Tb	Basalt (Tb); alkali basalt (Tba); olivine nephelinite (Tbn); limburgite (Tli); nodular basalt (Tnb); porphyritic pyroxenocratic basalt (Tbp).

<b>MINOR GRANITIC INTRUSIONS</b>	Dgi	Fine-grained granite/damellite (Dgi); gemelliferous quartz-feldspar porphyry (Dgp); siltite (Dgs).
	Dgf	Quartz-feldspar porphyry (Dgf).
<b>BILLIE TIER BATHOLITH</b>	Dgfl	Biotite-muscovite alkali-feldspar granite/damellite (Dgfl).
	Dgfm	Equigranular fine- to coarse-grained, biotite-muscovite alkali-feldspar granite/damellite (Dgfm).
	Dgfn	Porphyritic feldspar and rounded quartz, fine- to medium-grained, biotite-muscovite alkali-feldspar granite/damellite (Dgfn).
	Dgfd	Porphyritic feldspar, fine- to medium-grained, biotite-muscovite granite/damellite (Dgfd).
<b>DEVONIAN</b>	Dgac	Coarse-grained porphyritic (K-feldspar) to equigranular, biotite-muscovite granite/damellite (Dgac).
	Dgawc	Coarse- to very coarse-grained porphyritic (K-feldspar) to equigranular, biotite-muscovite granite/damellite (Dgawc).
	Dgawm	Coarse-grained porphyritic (K-feldspar), biotite-muscovite granite/damellite with > 2% muscovite (Dgawm).
	Dgpc	Medium-grained, equigranular to rarely porphyritic (K-feldspar), hornblende-biotite granodiorite and subarkose biotite granodiorite (locally with a strong grain foliation). Variably but strongly magnetic (susceptibility typically 002 to 008 SI) (Dgpc).

—	Geological boundary - position approximate
- - - - -	Geological boundary - inferred
- · - · - ·	Geological boundary - transitional
- - - - -	Fault - position approximate
- · - · - ·	Fault - inferred
- · - · - ·	Fault - concealed
- · - · - ·	Scarp at edge of basalt plateau
- · - · - ·	Asphotic lineament
*	Notable small outcrop or flow / lag occurrence

↘	Strike and dip of bedding, right way up; facing unknown.
×	Strike of vertical bedding, facing unknown.
↗	Strike and dip of cleavage or foliation, relative local age ST.
↖	Strike and dip of dominant joint set; vertical.
↗	Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.
↖	Trend of preferred orientation of K-feldspar phenocrysts in granitic rock.
↗	Strike and dip of foliation due to alignment of hornblende and/or biotite in granitic rock; vertical.
⊗	Mineral deposit location - hardrock
⊗	Mineral deposit location - alluvial
⊗	Construction materials location

Geology based on:  
BROWN, A.V.; MACLEOD, M.P.; MOORE, W.R.; TURNER, N.J.;  
MCCLELLAN, G.; WILLIAMS, F.R.; BULLIE, P.R.; CORBETT, K.D.;  
CORBETT, E.L.; COX, S.F.; GIOVETTI, D.L.; PIKE, G.P. 1977.  
Geological Atlas 1:50 000 series, sheet 56 (4515). Pangloss.  
Department of Mines, Tasmania.  
Compiled by M. P. McClellan.

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Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.  
A0066 - AM0 Zone 55. Contour Interval: 20 metres.  
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