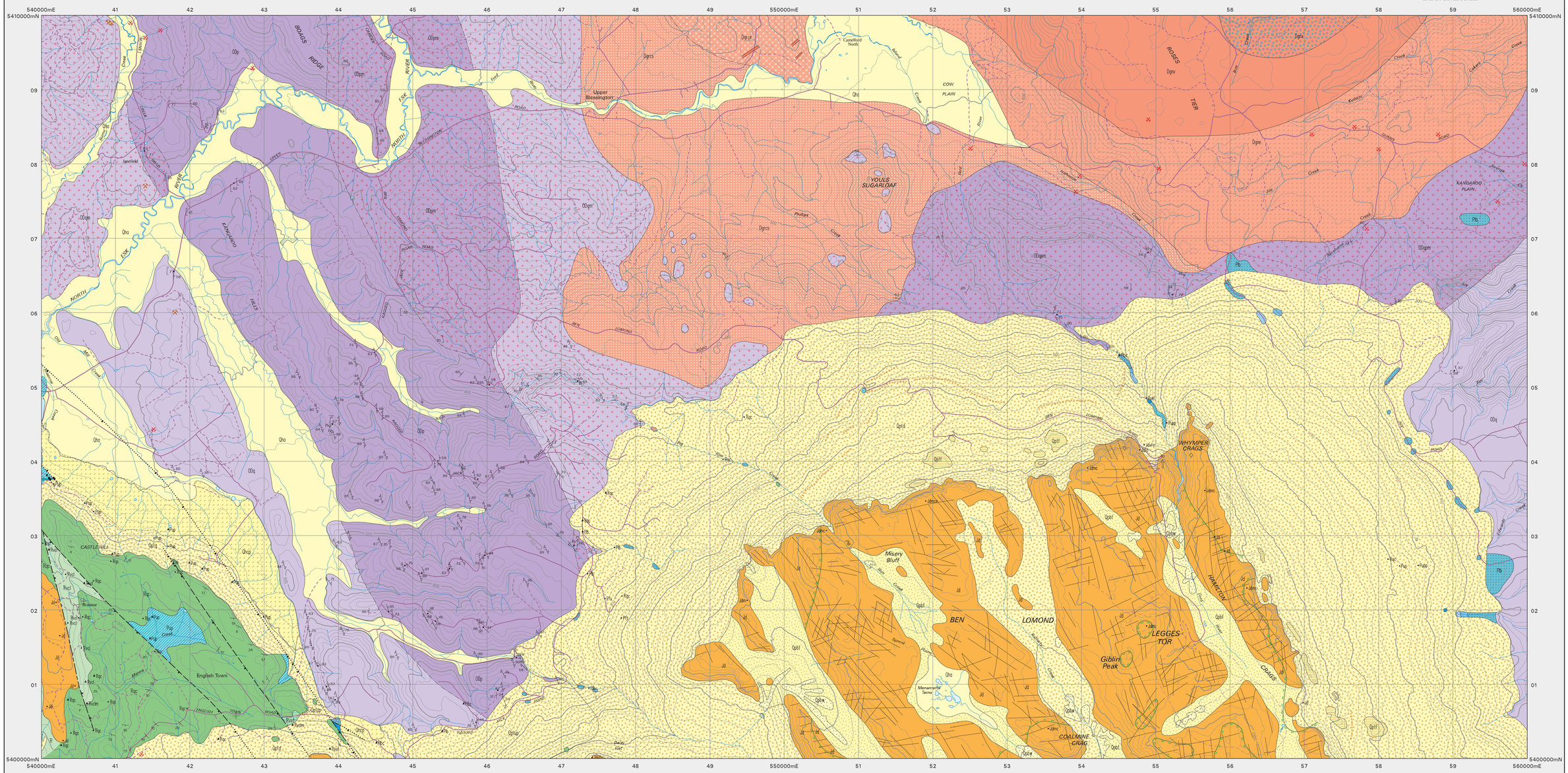
MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
GIBLIN, SHEET 5440

GIBLIN

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



CENOZOIC	QUATERNARY	HOLOCENE	Qha	*Stream alluvium, swamp and marsh deposits (Qha).*
			Qhcp	*Colluvium – sand derived from Upper Parmeener rocks (Qhcp).*
		PLEISTOCENE	Qpbf	*Dolerite block fields probably underlain by clay from weathered dolerite, with interstitial fines (Qpbf).*
			Qpbw	*Dolerite block fields probably underlain by clay from weathered dolerite, without interstitial fines (Qpbw).*
			Qpt	*Talus (Qpt), dominantly of dolerite boulders (Qptd); of dolerite and subordinate Upper Parmeener rocks (Qptup); dominantly of Upper Parmeener quartz sandstone (Qptq).*
			Qptf	*Toppled dolerite masses (>100m), coherent or partly disaggregated, produced by cliff failure (Qptf).*
				Erosional surface
MESOZOIC	TRIASSIC	R	Rvcl	*Dominantly lithic sandstone with minor mudstone and coal (Rvcl).*
			Rvvt	*Quartz-rich lithic sandstone and minor quartz sandstone (Rvvt).*
			Rqc	*Cross-bedded quartz sandstone (Rqc).*
PALEOZOIC	PERMIAN	P	Pvd / Pupp	*Poorly-sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams (Prospect Creek Mudstone) (Pvd). Pebbly sandstone (correlate of Palmer Sandstone) (Pupp).*
			Pug	*Thickly bedded usually poorly sorted sandstone passing upwards into interbedded sandstone, siltstone and mudstone (Mistletoe Sandstone) (Pug).*
			Puel	*Dominantly bioclastic limestone (Burnt Gully Limestone) (Puel).*
			Pudm	*Mudstone siltstone and poorly sorted sandstone. Uncommon marine fossils (lower part of Castle Carey Mudstone) (Pudm).*
			Pfs	*Dominantly well sorted quartz sandstone, usually cross-bedded and commonly with interbedded and interlaminated carbonaceous shale lesser conglomerate and rare coal (Aberfoyle Formation) (Pfs).*
			Plb / Plbc	*Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Plb). Conglomerate with minor pebbly mudstone and sandstone (Plbc). (Plb, Plbc – Strickland Gorge Formation).*

UPPER PARMEENER SUPERGROUP
LOWER PARMEENER SUPERGROUP

Unconformity

PALEOZOIC	ORDOVICIAN-SILURIAN(?) ORDOVICIAN	ODq, ODqp, ODqpm, ODpm	*Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq); contact metamorphosed (ODqm); with significant mudstone (ODqp); with significant mudstone contact metamorphosed (ODqpm).*
		ODp, ODpm	*Quartzwacke turbidite sequence of interbedded sandstone siltstone and mudstone with mudstone dominant (ODp); contact metamorphosed (ODpm). (ODq, ODp; Mathinna Supergroup).*

IGNEOUS ROCKS

MESOZOIC	JURASSIC	Jd	*Dolerite (Jd). Grain size and textural features indicated – very fine-grained (<0.7mm) with orthopyroxene microphenocrysts (Jdvfo); fine-grained (0.7 – 1.5) (Jdf); with orthopyroxene (Jdo), medium-grained (1.5 – 3.0mm) (Jdm), medium-to coarse grained (Jdmc); with abundant mesostasis (Jdmce).*

MINOR GRANITIC INTRUSIONS

PALEOZOIC	DEVONIAN	Dgh	*Aplite (Dgh).*

SCOTTSDALE BATHOLITH

PALEOZOIC	DEVONIAN	Dgne	*Equigranular, coarse to very coarse-grained, biotite +/-hornblende, adamellite/granodiorite with pale pink to white feldspar (Dgne). (Dgne: Russells Road pluton).*
		Dgnv, Dgnv'	*Variably equigranular, seriate or sparsely porphyritic (K-feldspar phenocrysts to 30mm), medium to coarse-grained biotite-hornblende adamellite/granodiorite (Dgnv), variety with very abundant fine-to coarse-grained quartz diorite xenoliths (Dgnx). (Dgnv, Dgnx: Hogarth Road pluton).*
		Dgrcs, Dgrce	*Equigranular to seriate (K-feldspar) coarse-grained biotite hornblende granodiorite (Dgrcs); very coarse-grained (>10mm) variety (Dgrce). (Dgrcs, Dgrce: Upper Blessington pluton).*

Geological boundary – position approximate
Geological boundary – inferred
Geological boundary – transitional
Intrusive boundary along pre-existing fault, position approximate.
Normal fault (downthrown side indicated) – position accurate or approximate.
Normal fault (downthrown side indicated) – inferred.
Normal fault (downthrown side indicated) – concealed.
Slope break.
Moraine ridges.
Airphoto lineament
Limit of glacial smoothing of bedrock.
(white line) *Limit of mapping of sub-unit within undifferentiated rock unit ('Colour boundary').*

Strike and dip of bedding, right way up, overturned, facing unknown.
Strike of vertical bedding, facing unknown.
Horizontal bedding.
Strike and dip of cleavage, type and relative age unspecified – dipping; vertical.
Strike and dip of dyke or vein, rock type or mineral specified.
Strike and dip of cleavage – relative local age S1. dipping; vertical.
Trend and plunge of minor fold hinge line,unspecified relative age, with dip and dip direction of axial surface, symmetrical.
Trend and plunge of minor fold hinge line,unspecified relative age, with dip and dip direction of axial surface, vergence sinistral.
Trend and plunge of chevron-fold hinge line, unspecified relative age, with dip and dip direction of axial surface.
Trend and plunge of kink-fold hinge line, with dip and dip direction of axial surface, and sense of displacement viewed down-plunge: dextral.
Trend and plunge of columnar jointing.
Vertical columnar jointing.
Notable small outcrop.
Notable float or lag occurrence.
Field station for adjacent reading on map
Mineral deposit location – hardrock
Construction materials location –
Data derived from Mineral Resources Tasmania DEPOSITS data base, data point position has not been verified in every case

Compiled by M.P. McClenaghan, 2005 from the following sources (see responsibility diagram):

A. McCLENAGHAN M.P., EVERARD J.L., GOSCOMBE B.D., FINDLAY R.H., CALVER C.R. 1993 1993 Geological Atlas 1:50,000 series, sheet 40 (8415S). Alberton.

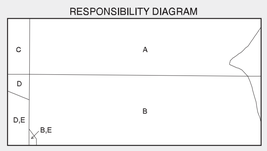
B. LENNOX P.G., CALVER C.R., FINDLAY R.H., EVERARD, J.L. 1988 Geological Atlas 1:50000 series, sheet 48 (8414N). Ben Lomond.

C. ROWE S.M., LONGMAN M.J., MATTHEWS, W.L. 1964 Geological Atlas 1:63360 series, sheet 39 (8315S). Launceston.

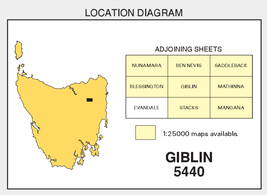
D. BLAKE F. 1959 Geological Atlas 1:63360 series, sheet 47 (8314N). Longford.

E. EVERARD J.L. 2005 New geological mapping.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



REFERENCE THIS MAP AS:

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AGD66 - AMG Zone 55. Contour Interval: 20 metres.

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