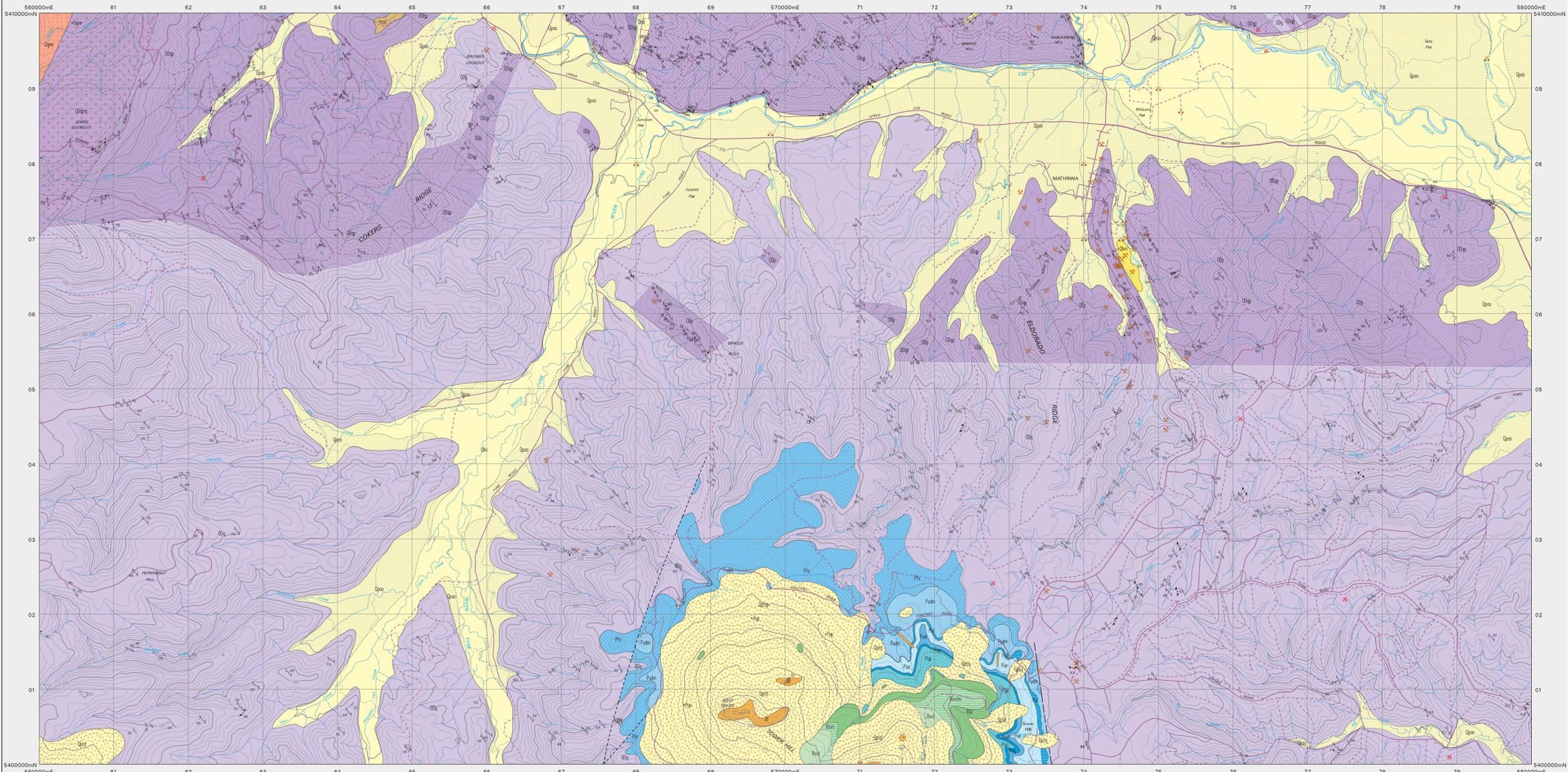


MATHINNA

Scale: 1:25 000



QUATERNARY	Qhm	Mine tailings and disturbed ground (Qhm).
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
	Qpa	Older alluvium of river terraces (Qpa).
PLEISTOCENE	Qp	Clay-rich, sand derived from Mathinna Group (Qp).
	Qp	Talus consisting dominantly of dolerite boulders (Qp); talus consisting of dolerite and subordinate Upper Permian rocks (Qp); of dominantly Upper Permian quartz sandstone (Qp).
TERTIARY	Tm	Conglomerate with rounded clasts of Mathinna Group and very rare weathered dolerite, often partially cemented by iron oxides (Tm). Unconformity
TRIASSIC	Rfcd	Dominantly lithic sandstone with minor mudstone and coal (Rfcd).
	Rfvc	Quartz-rich lithic sandstone and minor quartz sandstone (Rfvc), with mudstone and carbonaceous mudstone (Rfvc).
	Rfca	Cross-bedded quartz sandstone (Rfca).
	Rfg	Fine grained, slightly feldspathic quartz sandstone, micaceous shale and minor carbonaceous mudstone (Rfg).
	Rfp	Poorly sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams (Rfp).
	Rfpa	Thin bedded, usually poorly sorted pebbly sandstone passing up into interbedded sandstone, siltstone and mudstone with marine fossils abundant in places (Rfpa). (Rfpa: Maitland Sandstone).
PERMIAN	Pua	Dominantly bioclastic limestone (Pua); (Pua: Burnt Gully Limestone).
	Pua	Marine fossiliferous mudstone, siltstone and minor sandstone and bioclastic limestone (Pua).
	Puf	Fine grained pebbly sandstone with phosphatic nodules. Marine fossils present in some areas (Puf). (Puf: Fourhill Sandstone Member).
	Pudm	Mudstone, siltstone and minor poorly sorted sandstone. Uncommon marine fossils (Pudm). (Pudm: Castle Carey Mudstone).
	Pfs	Dominantly well-sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, tuff conglomerate and rare coal (Pfs). (Pfs: Aberfeldie Formation).
Pp	Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pp). (Pp: Strickland Gorge formation). Unconformity	

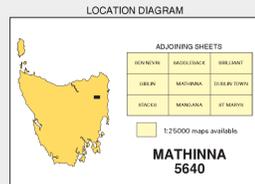
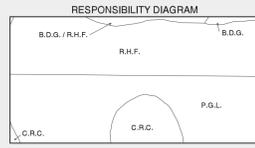
ORDOVICIAN-SILURIAN(?) ORDOVICIAN	ODsp	Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODsp).
	ODst	Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone (ODst); contact metamorphosed by granitic intrusion (ODstgr). Quartzite units dominant in quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone (ODst).
JURASSIC	Jd	Dolerite Ud.
DEVONIAN	Dgns	SCOTTSDALE BATHOLITH Eggshearer: coarse to very coarse grained, biotite + hornblende, adamellite granodiorite with pale pink to white feldspar (Dgns). (Dgns: Russell Road pluton).

—	Geological boundary - position approximate
- - - - -	Geological boundary - inferred
- · - · - ·	Geological boundary - transitional
- - - - -	Fault - position approximate
- · - · - ·	Fault - inferred
- - - - -	Fault - concealed
—	Scarp at edge of basalt plateau
—	Alphapso treatment
·	Notable small outcrop or float / lag occurrence

↘ ↘	Strike and dip of bedding - right way up; facing unknown.
↘	Strike of vertical bedding, facing unknown.
↘ ↘	Strike and dip of cleavage - relative local age S1 vertical.
↘ ↘	Strike and dip of cleavage - relative local age S2 vertical.
↘ ↘	Trend and plunge of bedding/primary cleavage intersection direction (L1).
↘ ↘	Trend and plunge of columnar jointing.
↘ ↘	Strike and dip of kink band with sense of displacement viewed down plunge of associated kink-folds - dextral; sinistral.
↘ ↘	Strike of vertical kink band - dextral; sinistral.
↘ ↘	Trend and plunge of minor fold hinge line, unspecified relative age.
↘ ↘	Trend and plunge of minor fold hinge line, unspecified relative age, with dip and dip direction of axial surface, with vertical axial surface.
↘ ↘	Trend and plunge of chevron-fold hinge line, unspecified relative age, with vertical axial surface.
·	Field station for adjacent readings on the map.

✕	Mineral deposit location - hardrock	Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
✕	Mineral deposit location - alluvial	Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
✕	Construction materials location	Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Geology based on:
CALVER, C.R.; EVERARD, J.L.; FINLAY, R.H.; LENNOX, P.G. 1988.
Geological map 1:50 000 series, sheet 48 (B414).
Department of Mines, Tasmania. McLENNAN, M.P.; EVERARD, J.L.;
GOSCOMBE, S.L.; FINLAY, R.H.; CALVER, C.R. 1983. Geological map
1:50 000 series, sheet 40 (B415).
Alberton, Department of Mines, Tasmania.
Compiled by M.P. McLennan.



Base data from the LIST, Copyright State of Tasmania.
Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.
AID66 - AMG Zone 55. Contour Interval: 20 metres.
While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisors. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data.
Crown copyright reserved.