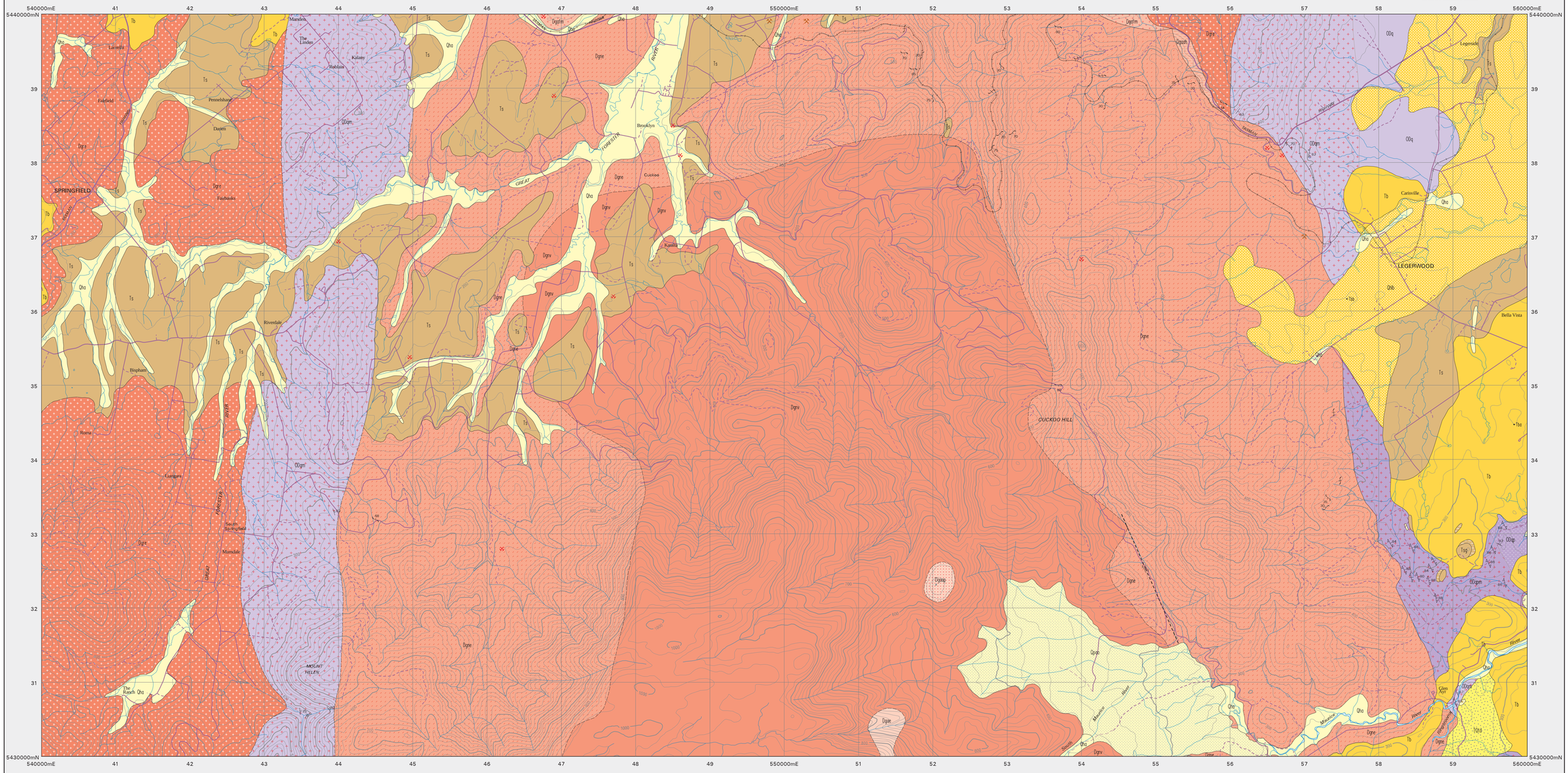
TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
SPRINGFIELD, SHEET 5443

SPRINGFIELD

Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA
Tasmania
DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



MATTHEWS, W.L.; COX, S.F.; McCLENAGHAN, M.P.; BROWN, A.V.; MOORE, W.R.; TURNER, N.J.; McCLENAGHAN, J.; WILLIAMS, R.R.; BAILLIE, P.W.; CORBETT, K.D.; CORBETT, E.B.; 1977.
Geological atlas 1:50,000 series, sheet 32 (8415N). Ringarooma. Department of Mines, Tasmania.
McMCLENAGHAN, M.P.; EVERARD, J.L.; GOSCOMBE, B.D.; CALVER, C.R.; 1964.
Geological atlas 1:50,000 series, sheet 40 (8415S). Alberton. Department of Mines, Tasmania.
Compiled by M.P.McClenaghan

QUATERNARY	HOLOCENE	Qha	*Stream alluvium, swamp and marsh deposits (Qha).*
		Qpao	*Older alluvium or river terraces (Qpao).*
	?	Qptg	*Talus, dominantly granitic rocks (Qptg).*
	PLEISTOCENE	Qhb	*Basalt derived lag deposit (Qhb).*
		TQtd	*Probably older boulder deposits consisting dominantly of dolerite (TQtd).*
TERTIARY		Tb / Ts	*Conglomerate, gravel, sand, silt, mud and clay (Ts). Sands and gravels cemented by iron oxide (Tsf). Quartz granule gravels probably derived from granitic rocks (Tsg). Basaltic rock (Tb).*
			Unconformity
ORDOVICIAN - SILURIAN (?) - EARLY DEVONIAN		ODq / ODap / ODqm / ODqpm	*Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq); contact metemorphosed by granitic intrusion (ODqm). Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with significant mudstone (ODap); contact metamorphosed by granitic intrusion (ODqpm).*

IGNEOUS ROCKS

TERTIARY	Tb	*Basalt (Tb), alkali basalt (Tba), basanite (Tbb), nodular basalt (Tbx).*
DEVONIAN	Dgae	*Generally equigranular medium–to coarse–grained leucocratic biotite alkali–feldspar granite/adamellite with pale pink feldspar (Dgae).*
	Dgaop	*Sparsely to moderately porphyritic (quartz and K–feldspar), fine–to coarse–grained, biotite granite/adamellite (Dgaop). (Dgaop/Dgae : Tombstone Creek pluton).*
	Dgafm	*Medium–grained, pink biotite adamellite (Dgafm).*
	Dgaah	*Coarse–grained, pink hornblende–biotite adamellite (Dgaah).*
	Dgne	*Equigranular, coarse to very coarse–grained, biotite adamellite with pale pink to white feldspar (Dgne). (Dgne : Russells Road pluton).*
	Dgnv	*Variably equigranular, seriate or sparsely porphyritic (K–feldspar phenocrysts up to 30mm), medium–to coarse–grained biotite adamellite (Dgnv). (Dgnv : Hogarth Road pluton).*
	Dgre	*Equigranular, medium–to coarse–grained biotite–hornblende granodiorite (Dgre).*

Geological boundary – position approximate

Strike–slip fault – position inferred, dextral

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 dyke or vein with rock or mineral type indicated; vertical.

Field station for adjacent readings on the map.

Mineral deposit location – hardrock

Mineral deposit location – alluvial

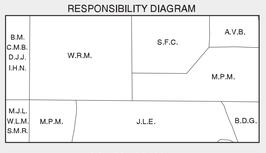
Data derived from Mineral Resources Tasmania MRLOCH data base. Datapoint position has not been verified in every case.

Construction materials location – Data derived from Mineral Resources Tasmania COMMAT data base. Datapoint position has not been verified in every case.

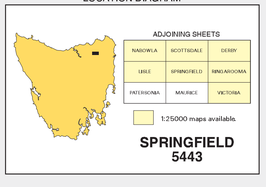
Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.
AGD66 - AMG Zone 55. Contour Interval: 20 metres.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



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