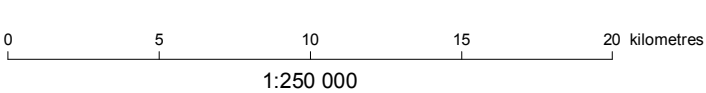


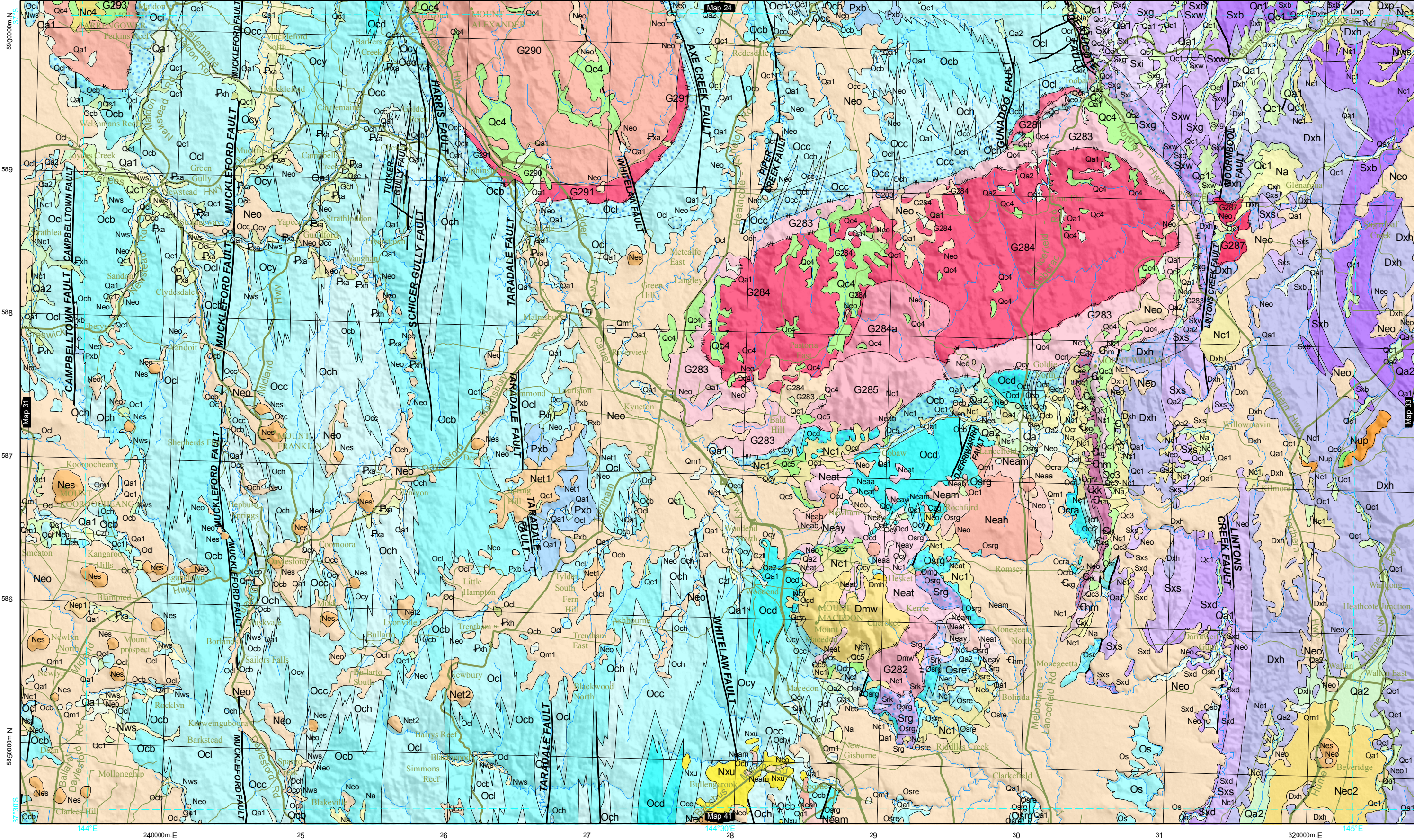
Qa1	alluvium	Nc1	incised colluvium	-Pxa	Calivil Formation	G365	Tailor Creek Tonalite	G376	Langi Ghiran Granite	-Cab	Beaufort Formation		Homfels
Qa2	alluvial terrace deposits	Nc4	dissected granite-derived colluvium	-Pxb	White Hills Gravel	G367	Powncebys Tonalite	G377	Buangor Granite	-Cap	Pyrenees Formation		Contact aureole schist
Qc1	colluvium	Neo	Newer Volcanic Group - basalt flows	Y-ap	dyke, aplite	G368	Ben Major Granite	G378	Mount Cole Granite	-Caw	Warrak Formation		
Qc4	granite-derived colluvium	Neo2	Newer Volcanic Group - stony rises basalt	Pxb	Bacchus Marsh Formation	G370 +	Lexton Granodiorite	G383	Dunneworthy Granodiorite				
Ql1	lunette deposits	Nep1	Newer Volcanic Group - tuff rings	Dk	intrusive breccia	G371 +	Mount Lonarch Granite	G384	Hickman Creek Granite				
Ql2	lake deposits	Nes	Newer Volcanic Group - scoria deposits	G290	Harcourt Granodiorite	G372 +	Glenlogie Granodiorite	G385	Ballyrogan Granite				
Qm1	swamp and lake deposits	Net3	Newer Volcanic Group - trachyte plug	G311	Trawalla Granite	G373	Elmhurst Granite	Ocb	Castlemaine Group - Bendigonian				
Qhm	mullock heaps	Nws	Shepparton Formation	G312	Ercildoun Granite	G374 +	Ben Nevis Granite	Och	Castlemaine Group - Chewtonian				
Na	incised alluvium	Czf	duricrust	G315	Tullaroop Granodiorite	G375 +	Eversley Granite	Ocl	Castlemaine Group - Lancefieldian				


MAP 32a CASTLEMAINE-WOODEND



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Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.

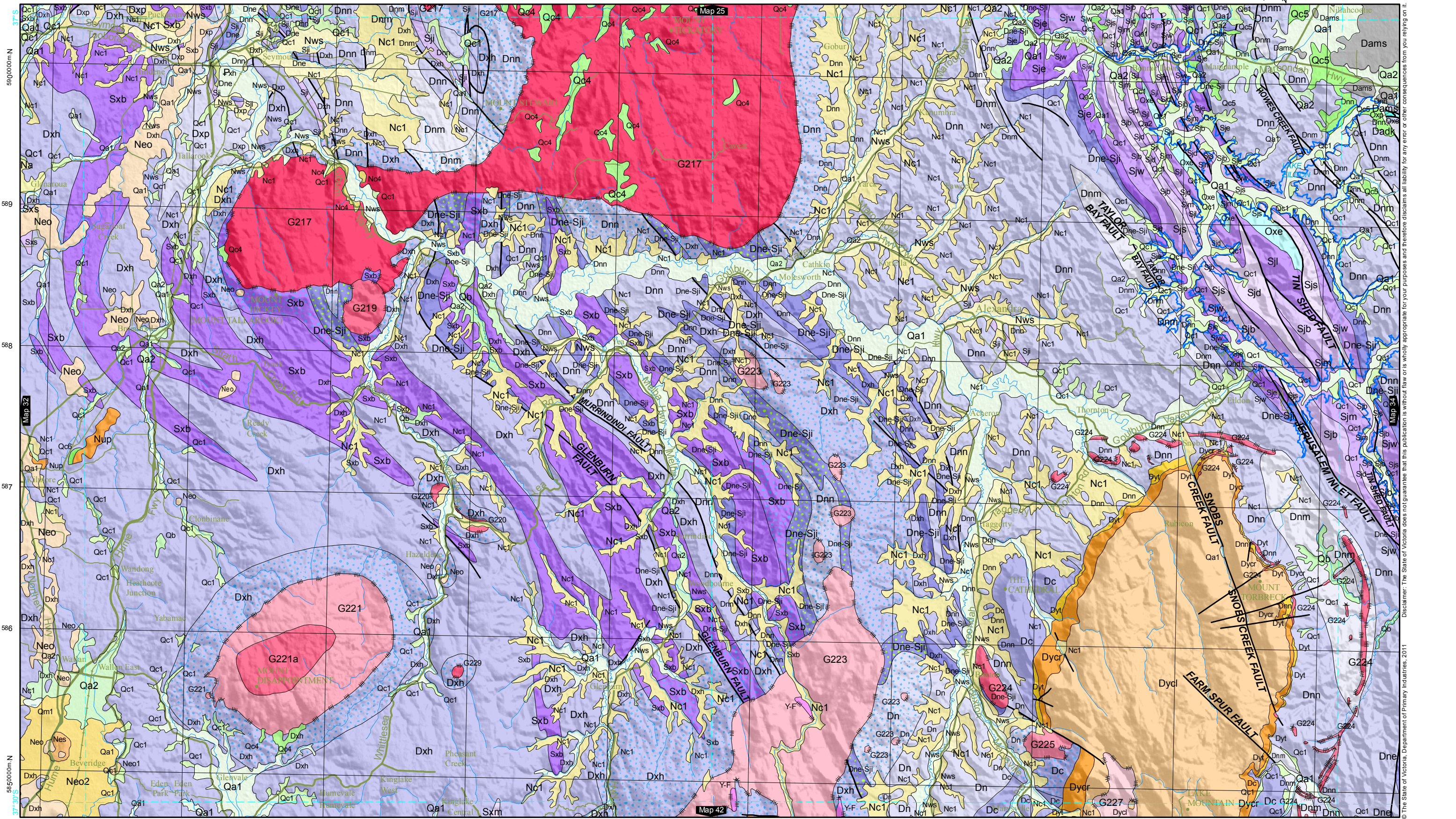


Os	Sunbury Group
Osb	Bolinda Shale
Osr	Riddell Sandstone
Osre	Riddell Sandstone Eastonian
Osr _g	Riddell Sandstone Gisbornian
-Chm	Mount William Metabasalt
-C _{xg}	Goldie Chert
-C _{xk}	Knowsley East Shale
 Hornfels	

MAP 33 YEA-ALEXANDRA

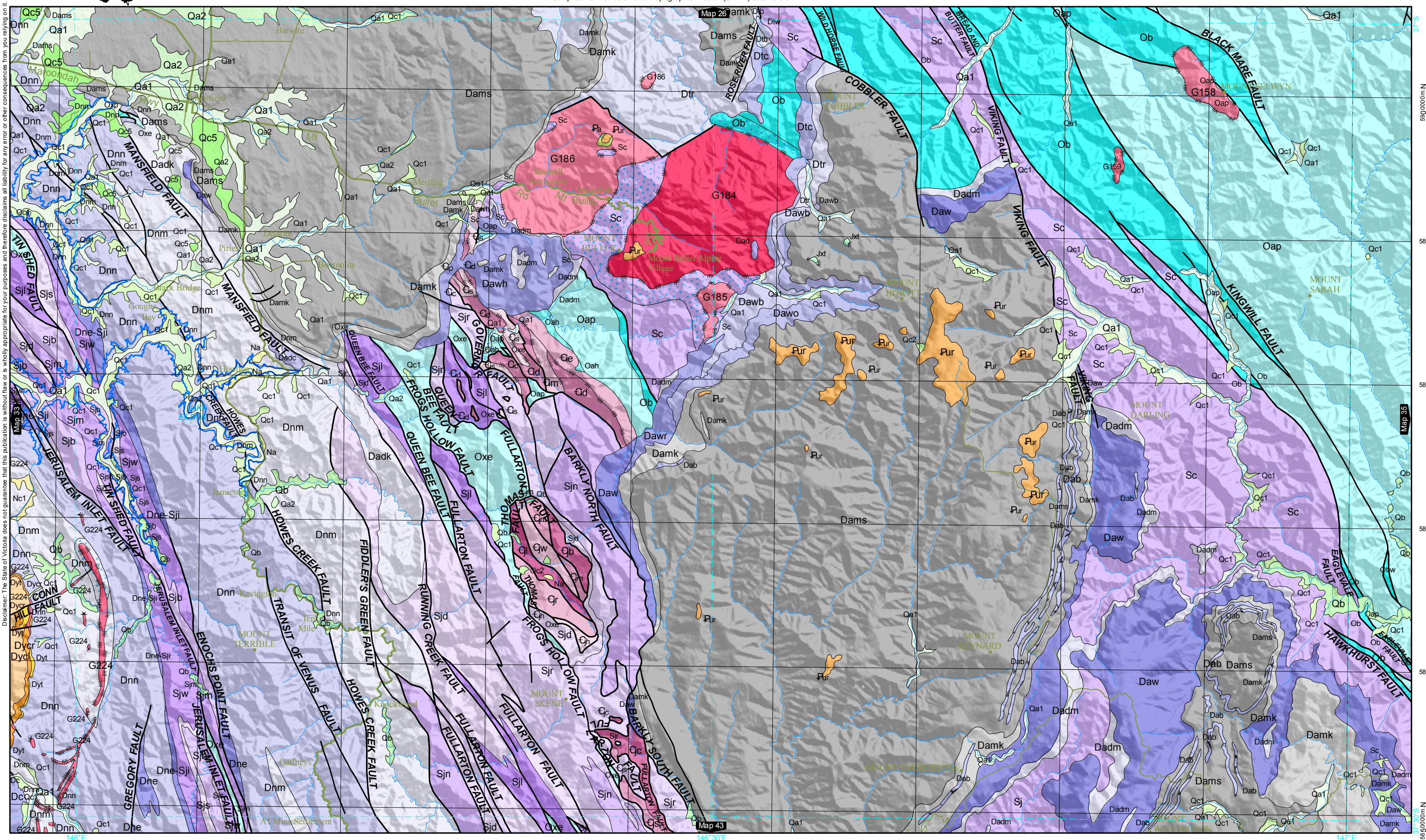
MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



Qa1 alluvium	Neo Newer Volcanic Group - basalt flows	G220 Flowerdale Granodiorite	Dc Cathedral Group	Dycr Rubicon Rhyolite	Sjw Whitelaw Siltstone
Qa2 alluvial terrace deposits	Neo1 Newer Volcanic Group - valley-filling basalt	G221 Mount Disappointment Granodiorite : equigranular phase	Dn Walhalla Group	Dyt Taggerty Subgroup	Sxb Broadford Formation
Qb alluvium and colluvium	Neo2 Newer Volcanic Group - stony rises basalt	G221a Mount Disappointment Granodiorite-porphyritic phase	Dnm Montys Hut Formation	Sjb Bullung Siltstone	Sxm Melbourne Formation
Qc1 colluvium	Nup Pintadeen Basalt : Basalt flow	G223 Black Range Granodiorite	Dne Easts Lookout Siltstone	Sjd Donnellys Creek Siltstone	Oxe Mount Easton Shale
Qc4 granite-derived colluvium	Nws Shepparton Formation	G224 Buxton Granodiorite	Dne-Sji Easts Lookout Siltstone-Wilson Creek Shale	Sje Eildon Sandstone	
Qc5 dissected colluvium	-Pxh White Hills Gravel	G225 Keppel Creek Granodiorite	Dnn Norton Gully Sandstone	Sji Wilson Creek Shale	
Qhd dam wall deposits	Y-F dyke, felsic	G227 Mount Stinton Granodiorite	Dxh Humevale Siltstone	Sjm McAdam Sandstone	
Nc1 incised colluvium	G217 Strathbogie Granite	G229 Mount Robertson Diorite	Dxp Puckapunyal Formation	Sjs Sinclair Valley Sandstone	
Nc4 dissected granite-derived colluvium	G219 King Parrot Creek Granodiorite	Dams Snowy Plains Formation	Dycl Lake Mountain Rhyodacite		

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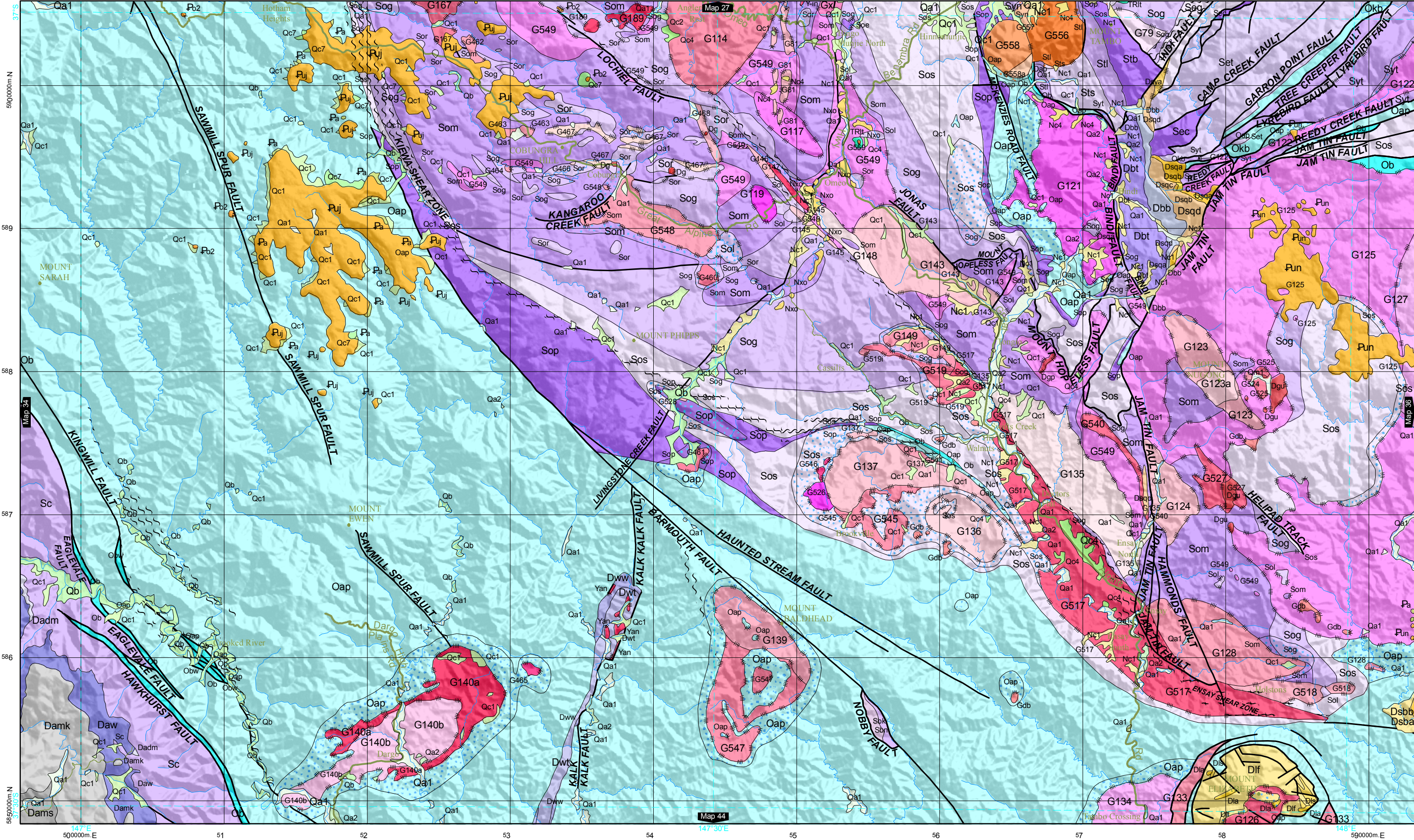
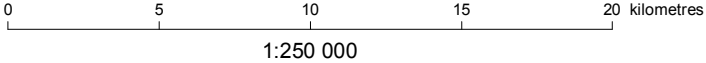


Qa1	alluvium	-Pur	Bryce Plain Basalt	Dams	Snowy Plains Formation	Dnm	Montys Hut Formation	G184	Mount Stirling Granodiorite	Sjl	Lazarini Siltstone	Ob	Bendoc Group	-Cip	Unnamed olivine pyroxenite sill	-Cjw	Hardwicke Creek Rhyolite
Qa2	alluvial terrace deposits	Jxt	Trachyte and phonolite plugs and sills	Daw	Wellington Volcanic Group	Dnn	Norton Gully Sandstone	G185	Changue East Diorite	Sjm	McAdam Sandstone	Oxe	Mount Easton Shale	-Cjb	Brissces Hut Andesite		
Qb	alluvium and colluvium	Dab	Avon Supergroup - basalt	Dawb	Bindaree Formation	Dtb	Bennies Formation	G186	Mirimbah Granodiorite	Sjn	Murderers Hill Siltstone	Oxp	Phosphate Hill Formation	-Cjc	Cobbs Spur Andesite Breccia		
Qc1	colluvium	Dad	Delatite Group	Dawh	Highton Volcanics	Dtc	Cobbler Rhyolite	G224	Buxton Granodiorite	Sjr	Serpentine Creek Sandstone	-Cic	Mountain Chief Andesite	-Cjh	Handford Creek Formation		
Qc2	scree deposits	Dadc	Callemondah Conglomerate	Dawo	Howitt Spur Formation	Dtr	Ryans Creek Ignimbrite	Sc	Cobbannah Group	Sjs	Sinclair Valley Sandstone	-Cid	Unnamed microgabbro sill	-Cji	Lakelands Flat Andesite Breccia		
Qc5	dissected colluvium	Dadk	Kevington Creek Formation	Dawr	Refrigerator Gap Dacite	Dtw	Mount Warrick Rhyolite	Sj	Jordan River Group	Sjw	Whitelaw Siltstone	-Cie	Eagle Peaks Basalt	-Cjm	Warrambat Andesite Breccia		
Na	incised alluvium	Dadm	Moroka Glen Formation	Dne	East Lookout Siltstone	G158	Mount Selwyn Granite	Sjb	Bullung Siltstone	Oah	Howqua Chert	-Cim	Malcolm Creek Hyaloclastite	-Cjr	Wrens Flat Andesite		
-Pa	Sub-basaltic sediments	Damk	Mount Kent Conglomerate	Dne-Sji	East Lookout Siltstone & Wilson Creek Shale	G159	Barry Mountains Granite	Sjd	Donnelly's Creek Siltstone	Oap	Pinnak Sandstone	-Cis	Sheepyard Flat Boninite	-Cjs	Whisky Knob Rhyolite		

MAP 35a DARGO-OMELO

MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.





MAP 35b DARGO-OMEO

Qa1	alluvium
Qa2	alluvial terrace deposits
Qb	alluvium and colluvium
Qc1	colluvium
Qc2	scree deposits
Qc4	granite-derived colluvium
Qc7	unnamed rock rivers
Qm1	swamp and lake deposits
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nxo	Oriental Claims Gravel
-Pa	Sub-basaltic sediments
-Po2	Paleogene plugs and dykes
-Puj	Mount Jim Volcanic Group
-Pun	Nunnett Plains Volcanic Group
TRlt	Teapot Creek Formation
Dadm	Moroka Glen Formation
Damk	Mount Kent Conglomerate
Dbb	Buchan Caves Limestone
Dbt	Taravale Marlstone
Dla	Mount Elizabeth Caldera Complex - rhyolite
Dlf	Fainting Range Ignimbrite
Dls	Slater Ignimbrite
Dgl	Late Devonian granite
Dgp	quartz diorite
Dgu	Devonian leucogranite
Dsqa	Attunga Paringa Formation
Dsqb	Carriage Range Ignimbrite
Dsqc	Tin Pot Ignimbrite
Dsqd	Quindalup Ignimbrite
Dsya	Snowy River Volcanic Group - porphyry

Dwt	Tabberabbera Formation
Dww	Wild Horse Formation
Yan	Angusvale Dyke Swarm
G79	Kimberly Park Granite
G81	Bingo Munjie Quartz Diorite
G114	Anglers Rest Granite
G117	Connleys Track Granodiorite
G119	Mountain Maid Granite
G121	Bindi Granodiorite
G122	Forlorn Hope Granite
G123	Mount Nugong Tonalite
G123a	Mount Nugong Tonalite granodiorite phase
G124	Emu Vale Tonalite
G125	Nunniong Granodiorite
G126	Mount Elizabeth Granodiorite
G128	Reedy Flat Tonalite
G133	Saint Patricks Creek Granite
G134	Tambo Crossing Tonalite
G135	Connors Creek Tonalite
G136	Old Sheep Station Granodiorite
G137	Rileys Creek Granodiorite
G139	Mount Baldhead Granodiorite
G140a	Dargo Tonalite - tonalite phase
G140b	Dargo Tonalite - granite phase
G143	Mungobabba Tonalite
G145	Livingstone Creek Tonalite
G146	Polar Star Tonalite
G147	Dry Hill Granodiorite
G148	Hallets Road Tonalite
G149	Bald Hills Creek Tonalite
G167	Dinner Plain Tonalite

G189	High Tops Tonalite
G460	Phipps Granite
G461	Jimkee Granite
G462	Horsehair Creek Tonalite
G463	Racecourse Plain Tonalite
G464	Junction Plain Tonalite
G465	Tucker Creek Tonalite
G466	Parslow Diorite
G467	Bundara Munjie Quartz Diorite
G468	Dry Gully Granodiorite
G517	Doctors Flat Tonalite
G518	Holstons Tonalite
G519	Mount Burt Granite
G519i	Mount Burt Granite - dyke phase
G524	Moscow Villa Granodiorite
G525	Bentleys Plain Granodiorite
G526	O'Dell Tonalite
G527	Cocks Break Granodiorite
G528	Saturday Morning Tonalite
G540	Commins Track Leucogranite
G541	Tongio Tonalite
G545	Brookville Granite
G546	Bayliss Spur Tonalite
G547	Marthavale Tonalite
G548	Jim and Jack Tonalite
G549	Cobungra Granite
G556	Percydale Granite
G557	Grand View Syenite
G558	Sisters Granite
G558a	Sisters Granite - syenite phase
G559	Day Hill Syenite

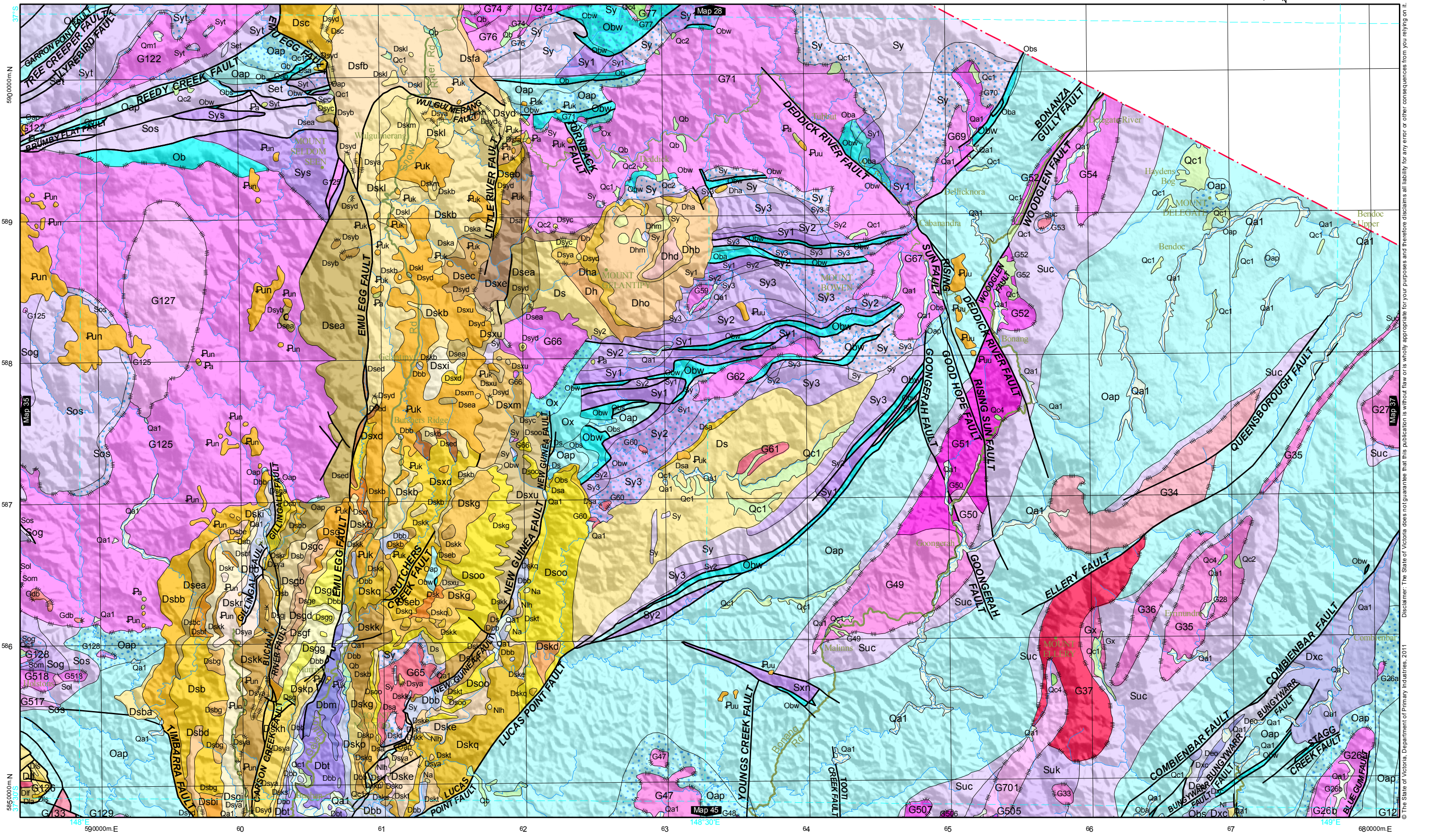
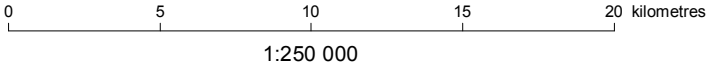
Gdb	Dead Bird Suite
Gx	Unnamed Silurian and Devonian granites
Sbn	Nobby Road Sandstone
Sbk	Koomberar Formation
Sc	Cobbannah Group
Sec	Cowombat Siltstone
Seg	Gibsons Folly Formation
Set	Thorkidaan Volcanics
Soe	Omeo Metamorphic Complex pegmatite
Sol	Omeo Metamorphic Complex leucogranite
Sog	Omeo Metamorphic Complex gneiss
Som	Omeo Metamorphic Complex migmatite
Sop	Omeo Metamorphic Complex phyllite
Sor	Omeo Metamorphic Complex granodiorite
Sos	Omeo Metamorphic Complex schist
Stb	Berrawan Conglomerate
Stl	Blackfellows Flat Conglomerate
Sts	Shanahan Sandstone
Syt	Towanga Sandstone
Oap	Pinnak Sandstone
Ob	Bendoc Group
Obw	Warbisco Shale
Okb	Blueys Creek Formation

	Hornfels
	Triassic hornfels

MAP 36a MURRINDAL-BENDOC

MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.





MAP 36b MURRINDAL-BENDOC

Qa1	alluvium
Qb	alluvium and colluvium
Qc1	colluvium
Qc2	scree deposits
Qc4	granite-derived colluvium
Qm1	swamp and lake deposits
Na	incised alluvium
Nlh	Haunted Hills Formation
-Pa	Sub-basaltic sediments
-Puk	Karoonda Park Volcanic Group
-Pun	Nunnett Plains Volcanic Group
-Puu	Tubbut Basalt
Dbb	Buchan Caves Limestone
Dbm	Murrindal Limestone
Deo	Boulder Flat Limestone
Dh	White Monkey Volcanic Group
Dha	Mackieson Spur Tuff
Dhb	Bass Camp Ignimbrite
Dhd	Douglas Ignimbrite
Dhm	Minchin Ignimbrite
Dho	Bowen Track Ignimbrite
Ds	Snowy River Volcanic Group
Dsa	basal breccia, conglomerate
Dsb	Timbarra Subgroup
Dsba	Wilkinson Creek Conglomerate
Dsbb	Windarra Formation
Dsbc	Scorpion Creek Sandstone
Dsbd	Johnson Mudstone
Dsbe	Dicks Creek Ignimbrite
Dsbf	Gordon Creek Ignimbrite
Dsbg	Dinner Hill Gap Lava
Dsbi	Davidsons Lane Formation
Dsc	Wombargo Subgroup

Dsea	Statham Ignimbrite
Dseb	Black Satin Ignimbrite
Dsec	Currie Creek Ignimbrite
Dsed	Glen Shiel Ignimbrite
Dsfa	Ballantyne Megabreccia
Dsfb	Black Mountain Ignimbrite
Dsg	Mount Dawson Subgroup
Dsga	Woolshed Creek Ignimbrite
Dsgb	Dead Cattle Gully Ignimbrite
Dsgc	Doonarlik Ignimbrite
Dsgd	Doyle Gully Ignimbrite
Dsge	Bimmarn Ignimbrite
Dsgf	Plumb Gully Ignimbrite
Dsgg	Lookout Top Ignimbrite
Dsgj	Yellow Waterholes Ignimbrite
Dsk	Little River Subgroup
Dska	Sykes Tuff
Dskb	Gelantipy Ignimbrite
Dskd	Mount Tabby Formation
Dske	Bally Hooley Ignimbrite
Dskf	Dandan Andesite
Dskg	Detarka Ignimbrite
Dskh	Carson Creek Ignimbrite
Dskk	Fairy Sandstone
Dskl	Wulgulmerang Volcaniclastics
Dskm	Boundary Creek Conglomerate
Dskn	Milky Creek Ignimbrite
Dsko	Boorabal Andesite
Dskp	McRaes Ignimbrite
Dskq	Raymond Falls Lava
Dskr	Frying Pan Creek Ignimbrite
Dsks	Jellung Ignimbrite
Dskt	Moores Ford Andesite

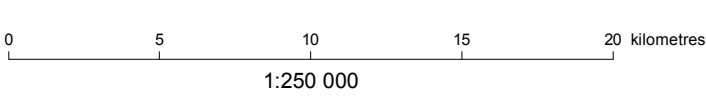
Dsoo	Moonkan Ignimbrite
Dxc	Combyingbar Formation
Dxcp	Mount Puggaree Conglomerate Member
Dsxd	Devils Den Conglomerate
Dsxe	Deddick Rhyodacite
Dsxi	Dingo Hill Lava
Dsxm	Meadow Creek Megabreccia
Dsxr	Trendale Formation
Dsxu	Tulloch Ard Ignimbrite
Dsya	Snowy River Volcanic Group - porphyry
Dsyb	Snowy River Volcanic Group - porphyry
Dsyc	Snowy River Volcanic Group - porphyry
Dsyd	Snowy River Volcanic Group - rhyolite
G28	Tumberluck Diorite
G33	Bee Tree Granodiorite
G34	Goonmirk Rocks Granodiorite
G35	Tommy Roundhead Granodiorite
G37	Ellery Granite
G47	Feltis Farm Tonalite
G49	Brodrubb Granodiorite
G50	Goongerah Granodiorite
G51	Jungle Creek Granodiorite
G52	Bonang Granodiorite
G53	Woollybutt Quartz Monzodiorite
G54	Iona Tonalite
G59	Postman Spur Granodiorite
G60	Rodger River Granodiorite
G61	Waratah Flat Granite
G62	Bull Run Gap Granite
G65	Mount McLeod Tonalite
G66	Campbells Knob Granodiorite
G67	Cabanandra Granodiorite
G69	Hobbs Granite

G70	Dellicknora Granite
G71	Amboyne Granodiorite
G74	Suggan Buggan Granodiorite
G76	Chilpin Granodiorite
G77	Barrabilly Granite
G122	Forlorn Hope Granite
G125	Nunniong Granodiorite
G127	Mellick Munjie Granodiorite
G128	Reedy Flat Tonalite
G507	Kent Road Granite
G518	Holstons Tonalite
G701	Cattleyard Granite
Gx	Unnamed Silurian and Devonian granites
Sec	Cowombat Siltstone
Set	Thorkidaan Volcanics
Sos	Omeo Metamorphic Complex schist
Suc	Kuark Metamorphic Complex - cordierite-andalusite zone
Suk	Kuark Metamorphic Complex - K-feldspar-sillimanite zone
Sxn	Sardine Conglomerate
Sy	Yalmy Group
Sy1	lower sandstone unit
Sy2	middle siltstone unit
Sy3	upper sandstone unit
Sys	Seldom Seen Formation
Syt	Towanga Sandstone
Oap	Pinnak Sandstone
Ob	Bendoc Group
Oba	Akuna Mudstone
Obs	Sunlight Creek Formation
Obw	Warbisco Shale
Okb	Blueys Creek Formation
Ox	Undifferentiated Ordovician/Silurian sedimentary rocks



Hornfels

MAP 37 CRAIGIE-EDEN



MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

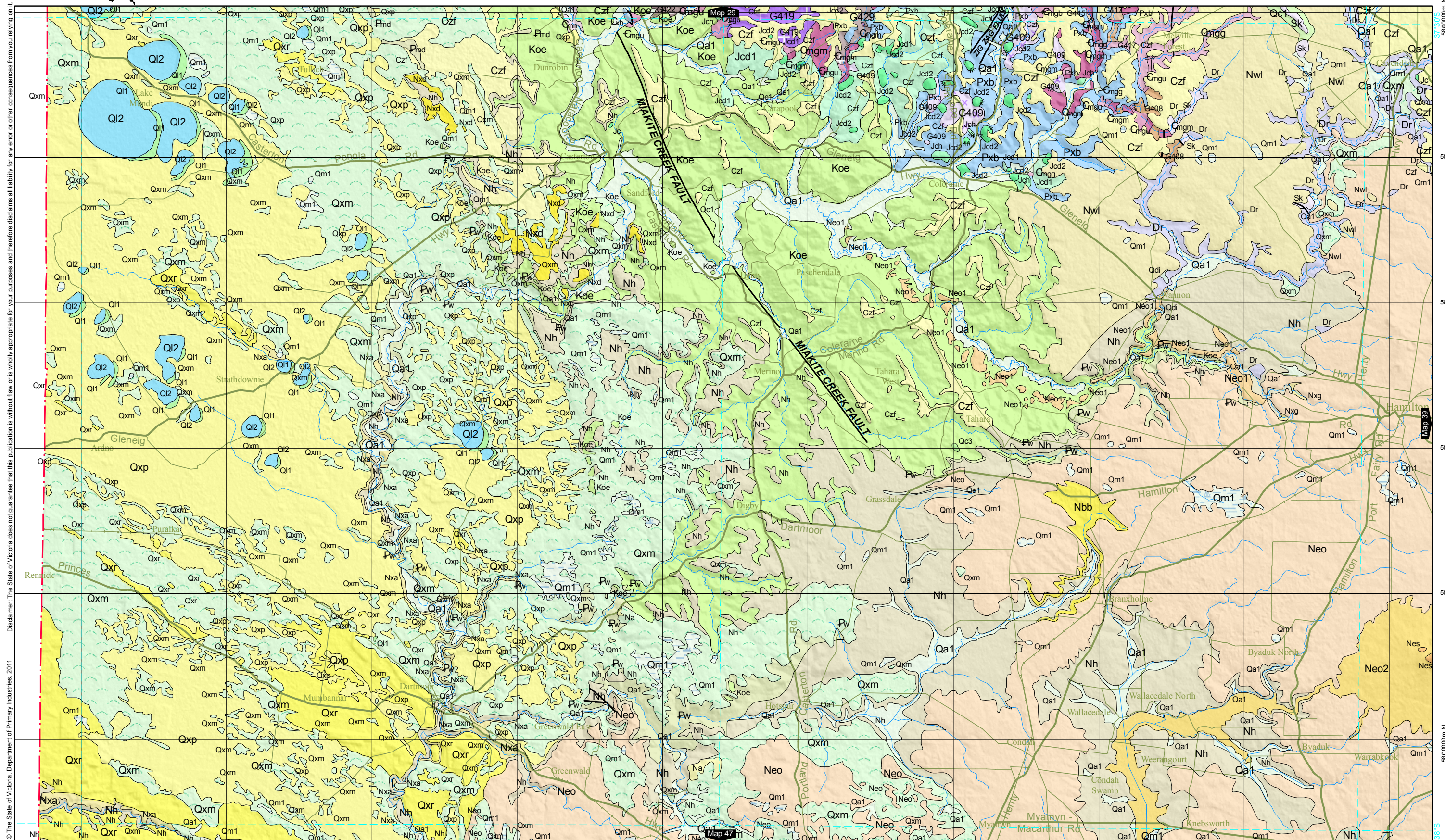
Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



<div>Qa1</div> <div>alluvium</div>	<div>-Po2</div> <div>Paleogene plugs and dykes</div>	<div>G14</div> <div>Burglar Gap Granite</div>	<div>G23</div> <div>Fiddlers Green Granodiorite</div>	<div>G521</div> <div>Yambulla Granodiorite</div>
<div>Qc1</div> <div>colluvium</div>	<div>Dq</div> <div>Merrimbula Group</div>	<div>G15</div> <div>Noorinbee Granodiorite</div>	<div>G24</div> <div>Weeragua Granodiorite</div>	<div>G522</div> <div>Wroxham Granodiorite</div>
<div>Qc4</div> <div>granite-derived colluvium</div>	<div>Dxc</div> <div>Combyingbar Formation</div>	<div>G16</div> <div>Drummer Granodiorite</div>	<div>G25</div> <div>Cann Mountain Granodiorite</div>	<div>G523</div> <div>Sarah Allen Granodiorite</div>
<div>Qdl1</div> <div>coastal dune deposits</div>	<div>DxcP</div> <div>Mount Puggaree Conglomerate Member</div>	<div>G17</div> <div>Derndang Granite</div>	<div>G26a</div> <div>Blue Gum Tonalite - mafic phase</div>	<div>G530</div> <div>Whitgum Tonalite</div>
<div>Qdl2</div> <div>Older coastal dune deposits</div>	<div>G2</div> <div>Howe Range Granite</div>	<div>G18</div> <div>Yoke Up Creek Granite</div>	<div>G26b</div> <div>Blue Gum Tonalite - felsic phase</div>	<div>G531</div> <div>Archie Granodiorite</div>
<div>Qg</div> <div>coastal lagoon deposits</div>	<div>G5</div> <div>Croajingalong Granite</div>	<div>G19</div> <div>Nungatta Granodiorite</div>	<div>G27</div> <div>Ino Creek Granodiorite</div>	<div>G533</div> <div>Coopracambra Tonalite</div>
<div>Qm1</div> <div>swamp and lake deposits</div>	<div>G6</div> <div>Wangarabell Granodiorite</div>	<div>G20</div> <div>Loomat Granite</div>	<div>G35</div> <div>Tommy Roundhead Granodiorite</div>	<div>Suc</div> <div>Kuark Metamorphic Complex - cordierite-andalusite zone</div>
<div>Na</div> <div>incised alluvium</div>	<div>G11</div> <div>Everard Granite</div>	<div>G21</div> <div>Beehive Granite</div>	<div>G450</div> <div>Xmas Quartz Monzodiorite</div>	<div>Oap</div> <div>Pinnak Sandstone</div>
<div>NI</div> <div>Sale Group</div>	<div>G12</div> <div>Tonghi Granodiorite</div>	<div>G22</div> <div>Bulda Gap Granodiorite</div>	<div>G520</div> <div>Wakefield Granite</div>	<div>Obw</div> <div>Warbisco Shale</div>

Hornfels

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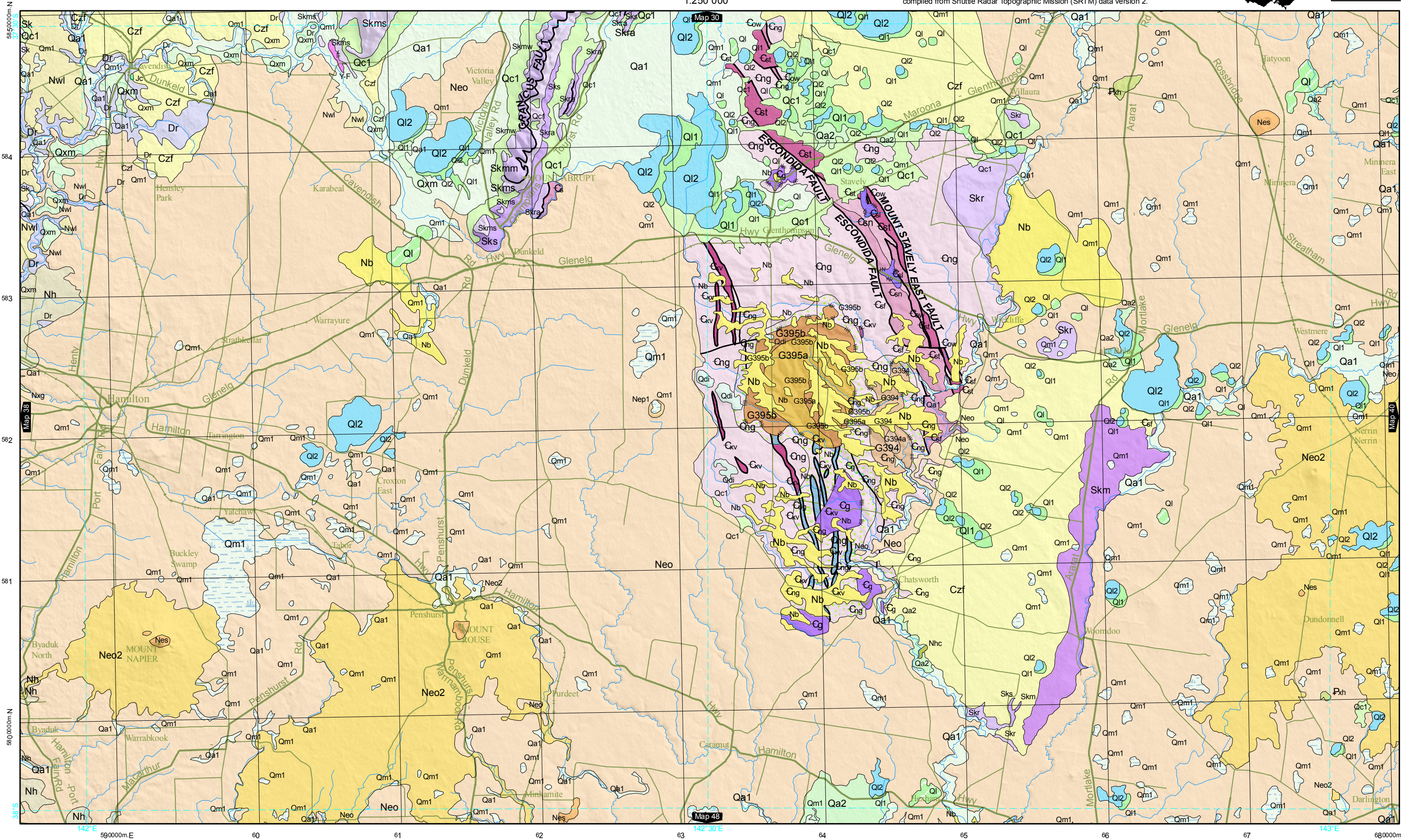
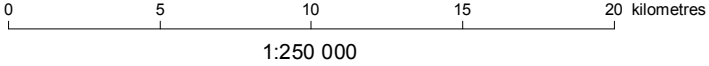
Qa1	alluvium	Qxp	Padthaway Formation	Nxa	Whalers Bluff Formation	Jcd1	Den Hills Formation - lava flows
Qc1	colluvium	Qxr	Bridgewater Formation	Nxd	Dorodong Sand	Jcd2	Den Hills Formation - domes and laccoliths
Qc3	slump deposits	Na	incised alluvium	Nxg	Grange Burn Formation	Jch	Hypatia Formation
Qdi	source-bordering dune deposits	Nbb	Black Rock Sandstone	Czf	duricrust	Pxb	Bacchus Marsh Formation
Ql1	lunette deposits	Neo	Newer Volcanic Group - basalt flows	-Pmd	Duddo Limestone	Dr	Rocklands Volcanic Group
Ql2	lake deposits	Neo1	Newer Volcanic Group - valley-filling basalt	-Pw	Wangerrip Group	Sk	Grampians Group
Qm1	swamp and lake deposits	Nh	Heytesbury Group	Koe	Eumeralla Formation	G408	Nangkita Granite
Qxm	Molineaux Sand	Nwl	Loxton Sand	Jc	Coleraine Volcanic Group	G409	Hassall Creek Granodiorite

G417	Kassingbrook Granodiorite
G419	Loftus Creek Granodiorite
-Cmgg	Glenelg River Metamorphic Complex - leucogranite
-Cmgm	Glenelg River Metamorphic Complex - migmatite
-Cmgu	Glenelg River Metamorphic Complex - schist, amphibolite and calc-silicate

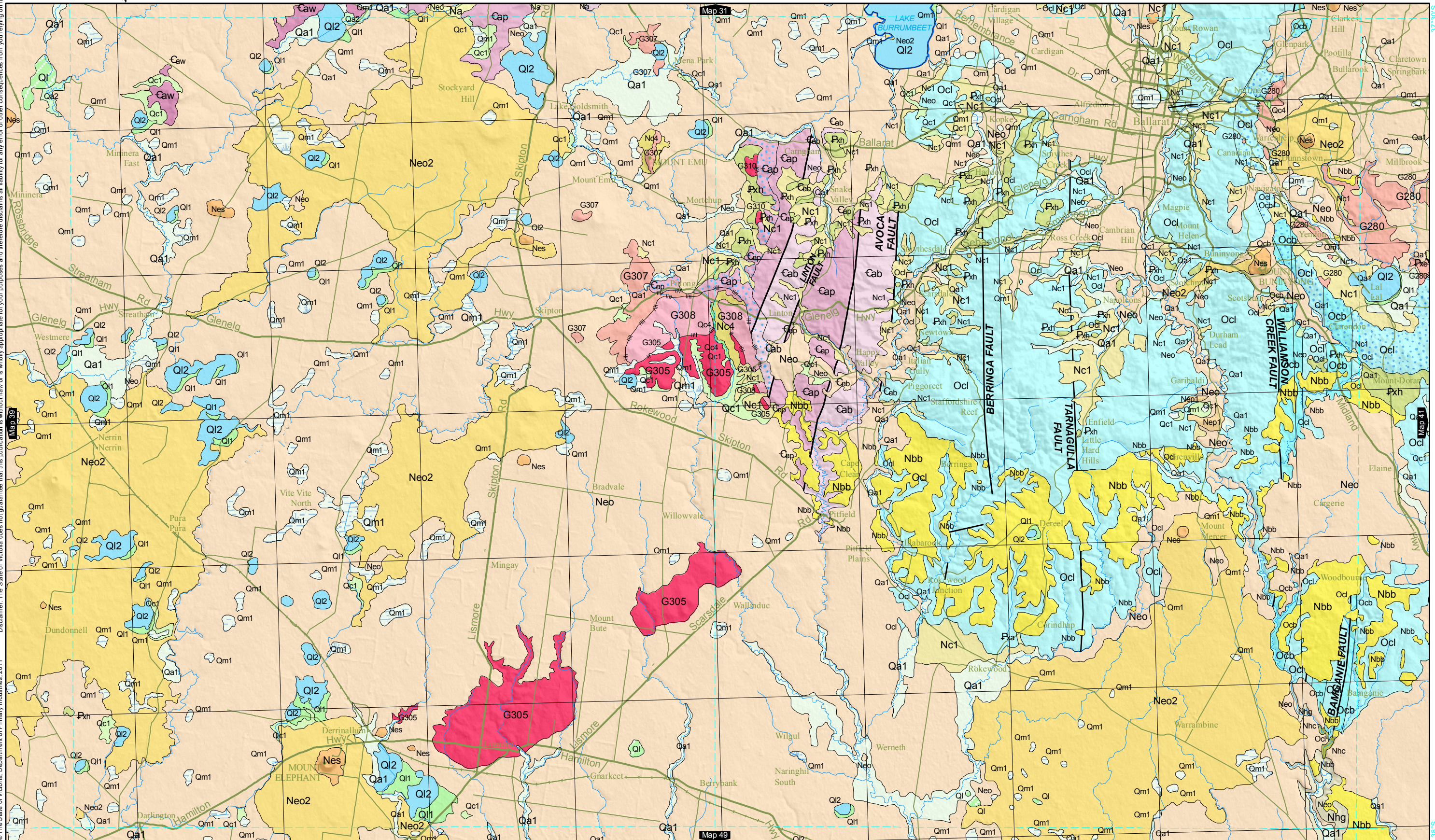
MAP 39 HAMILTON-WILLAURA

MGA Zone 54 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.

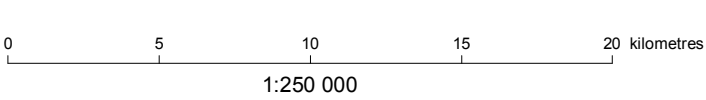


Qa1 alluvium	Nb Brighton Group	-Pxh White Hills Gravel	Sks Silverband Formation	-Cow Williamsons Road Serpentine
Qa2 alluvial terrace deposits	Neo Newer Volcanic Group - basalt flows	Jc Coleraine Volcanic Group	Y-F dyke, felsic	-Cs Mount Stavelly Volcanic Complex
Qc1 colluvium	Neo2 Newer Volcanic Group - stony rises basalt	Dr Rocklands Volcanic Group	G394 Buckeran Diorite	-Csf Fairview Andesitic Breccia
Qdi source-bordering dune deposits	Nep1 Newer Volcanic Group - tuff rings	Skmm Mount Difficult Subgroup	G394a Buckeran Diorite nonmagnetic phase : Nonmagnetic phase	-Csl Lalkaldarno Porphyry
Ql lunette and lake deposits	Nes Newer Volcanic Group - scoria deposits	Skms Moora Moora Sandstone	G395a Bushy Creek Granodiorite - equigranular phase	-Csn Nanapundah Tuff
Ql1 lunette deposits	Nh Heytesbury Group	Skms Serra Sandstone	G395b Bushy Creek Granodiorite - porphyritic phase	-Cst Towanway Tuff
Ql2 lake deposits	Nhc Clifton Formation	Skmw Wartook Sandstone	-Cg Cambrian, intrusive rocks	-Cvx Cambrian metamorphosed mafic volcanics
Qm1 swamp and lake deposits	Nwl Loxton Sand	Skr Red Man Bluff Subgroup	-Cng Glenthompson Sandstone : contact aureole schist	
Qxm Molineaux Sand	Czf duricrust	Skra Major Mitchell Sandstone		



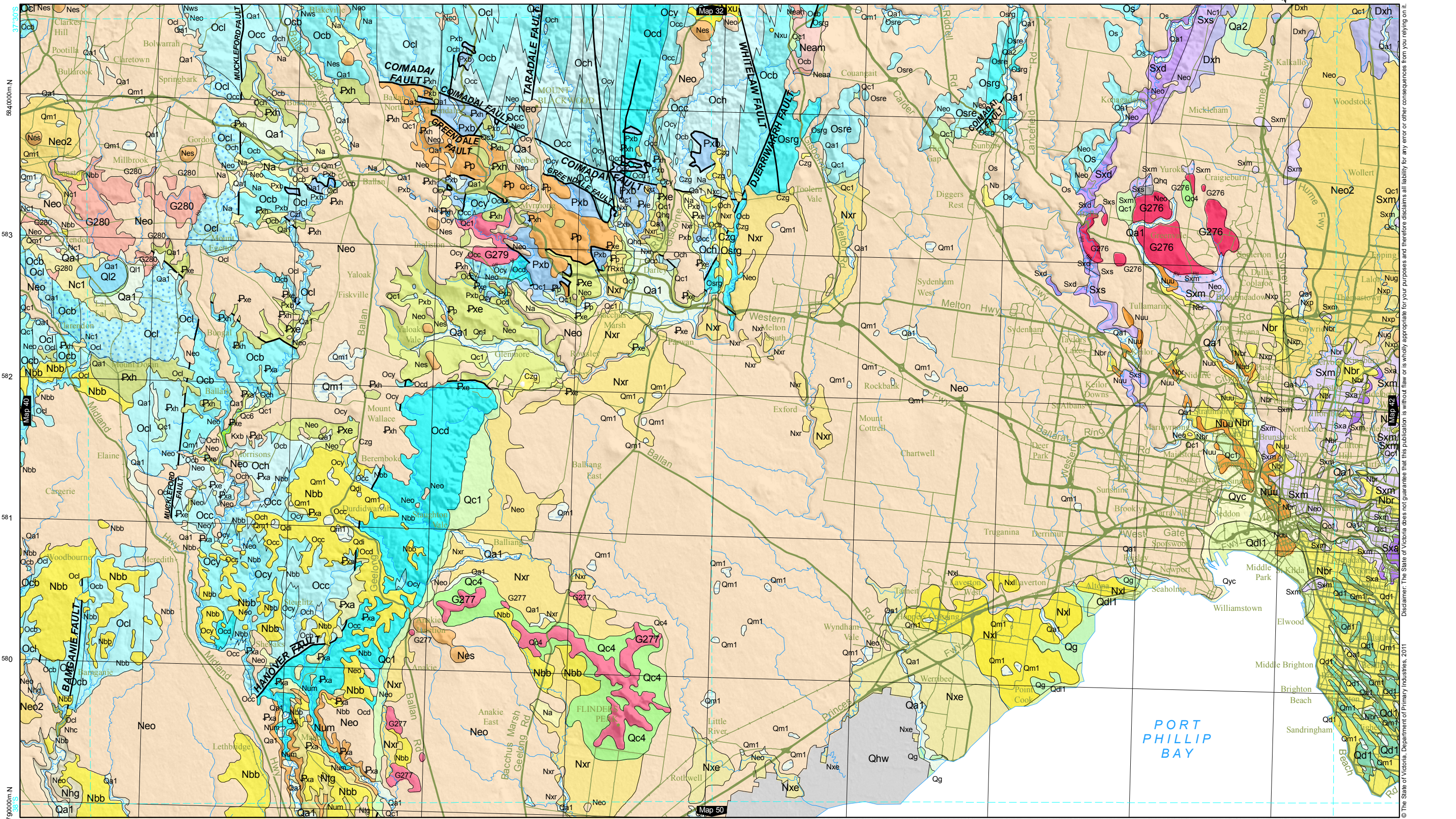
Qa1	alluvium	Qm1	swamp and lake deposits	Nep1	Newer Volcanic Group - tuff rings	G305	Illoura Granodiorite	-Cap	Pyrenees Formation
Qa2	alluvial terrace deposits	Na	incised alluvium	Nes	Newer Volcanic Group - scoria deposits	G307	Tiac Granite	-Caw	Warrak Formation
Qc1	colluvium	Nbb	Black Rock Sandstone	Nhc	Clifton Formation	G308	Mount Bute Granite		
Qc4	granite-derived colluvium	Nc1	incised colluvium	Nhg	Gellibrand Marl	G310	Chepstowe Granodiorite		
Ql	lunette and lake deposits	Nc4	dissected granite-derived colluvium	-Pxa	Calivil Formation	Ocb	Castlemaine Group - Bendigonian		
Ql1	lunette deposits	Neo	Newer Volcanic Group - basalt flows	-Pxb	White Hills Gravel	Ocl	Castlemaine Group - Lancefieldian		
Ql2	lake deposits	Neo2	Newer Volcanic Group - stony rises basalt	G280	Mount Egerton Granodiorite	-Cab	Beaufort Formation		

MAP 41 BACCHUS MARSH-MELBOURNE



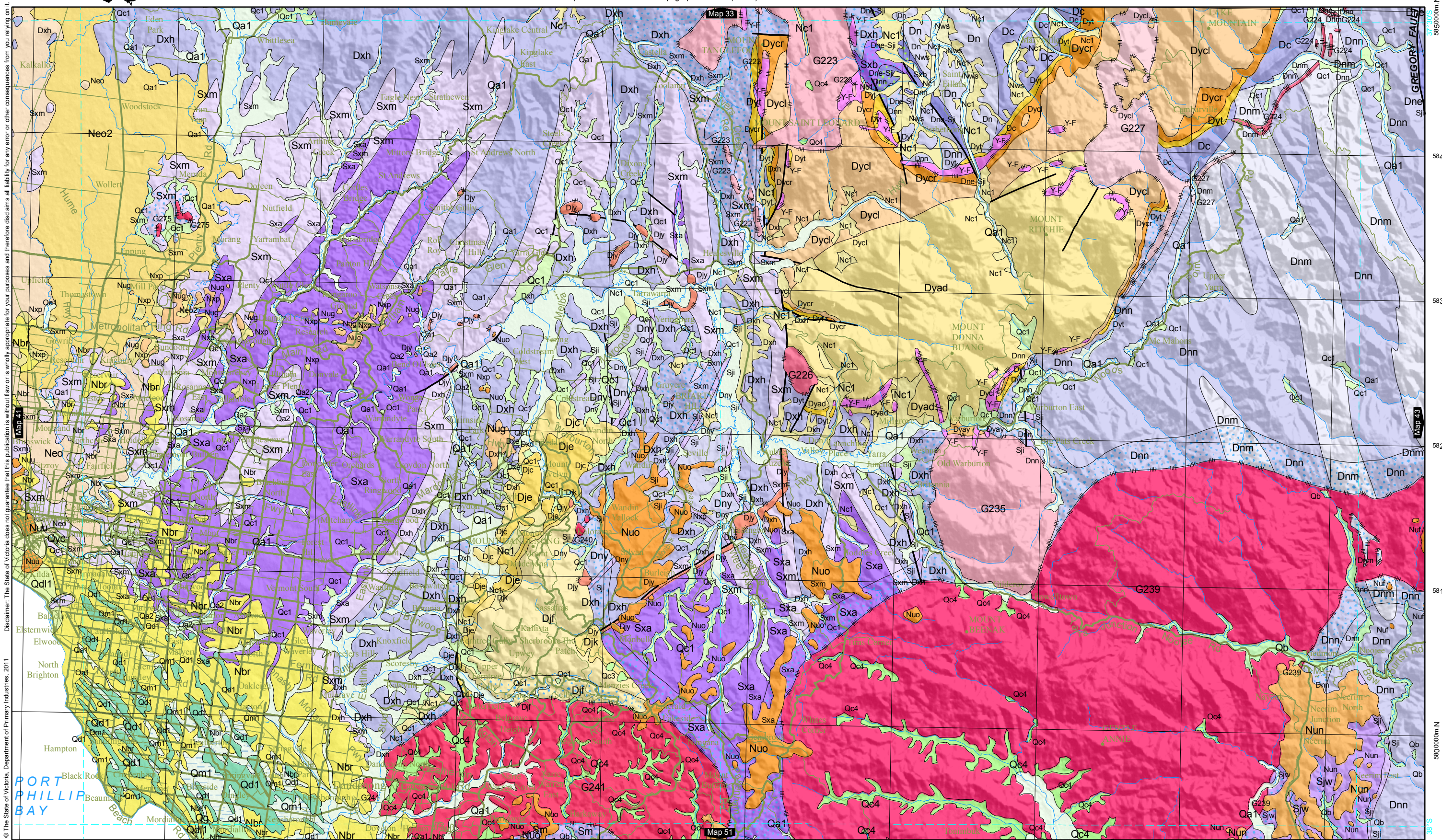
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Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



<div>Qa1</div> <div>alluvium</div>	<div>Qh1</div> <div>quarry waste deposits</div>	<div>Nbr</div> <div>Red Bluff Sandstone</div>	<div>Nuu</div> <div>Tullamarine Basalt</div>	<div>-Pp</div> <div>Pentland Hills Volcanic Group</div>	<div>G279</div> <div>Ingliston Granite</div>	<div>Och</div> <div>Castlemaine Group - Chewtonian</div>
<div>Qa2</div> <div>alluvial terrace deposits</div>	<div>Qhw</div> <div>waste deposits</div>	<div>Nc1</div> <div>incised colluvium</div>	<div>Nxc</div> <div>Coimadai Shale</div>	<div>-Pxa</div> <div>Calivil Formation</div>	<div>G280</div> <div>Mount Egerton Granodiorite</div>	<div>Ocl</div> <div>Castlemaine Group - Lancefieldian</div>
<div>Qc1</div> <div>colluvium</div>	<div>QI1</div> <div>lunette deposits</div>	<div>Neaa</div> <div>Smokers Creek Volcanic Subgroup - basanite lava</div>	<div>Nxe</div> <div>Deutgam Silt</div>	<div>-Pxe</div> <div>Werribee Formation</div>	<div>Dxh</div> <div>Humevale Siltstone</div>	<div>Os</div> <div>Sunbury Group</div>
<div>Qc4</div> <div>granite-derived colluvium</div>	<div>QI2</div> <div>lake deposits</div>	<div>Neam</div> <div>Smokers Creek Volcanic Subgroup - mugearite lava</div>	<div>Nxl</div> <div>windblown silt</div>	<div>-Pxb</div> <div>White Hills Gravel</div>	<div>Sxd</div> <div>Deep Creek Siltstone</div>	<div>Osre</div> <div>Riddell Sandstone Eastonian</div>
<div>Qc6</div> <div>basalt-derived slump deposits</div>	<div>Qm1</div> <div>swamp and lake deposits</div>	<div>Neo</div> <div>Newer Volcanic Group - basalt flows</div>	<div>Nxp</div> <div>Sub-basaltic sediments</div>	<div>Kxb</div> <div>Ballak Conglomerate</div>	<div>Sxm</div> <div>Melbourne Formation</div>	<div>Osrg</div> <div>Riddell Sandstone Gisbormian</div>
<div>Qd1</div> <div>inland dune deposits</div>	<div>Qyc</div> <div>Coode Island Silt</div>	<div>Neo2</div> <div>Newer Volcanic Group - stony rises basalt</div>	<div>Nxr</div> <div>Darley Gravel</div>	<div>TRxc</div> <div>Council Trench Formation</div>	<div>Sxs</div> <div>Springfield Sandstone</div>	<div>Ocy</div> <div>Castlemaine Group - Yapeenian</div>
<div>Qdi</div> <div>source-bordering dune deposits</div>	<div>Na</div> <div>incised alluvium</div>	<div>Nes</div> <div>Newer Volcanic Group - scoria deposits</div>	<div>Nxu</div> <div>Bullengarook Gravel</div>	<div>Pxb</div> <div>Bacchus Marsh Formation</div>	<div>Ocb</div> <div>Castlemaine Group - Bendigonian</div>	<div></div> <div>Hornfels</div>
<div>Qdi1</div> <div>coastal dune deposits</div>	<div>Nb</div> <div>Brighton Group</div>	<div>Ntg</div> <div>Gellibrand Marl</div>	<div>Czf</div> <div>duricrust</div>	<div>G276</div> <div>Bulla Granodiorite</div>	<div>Occ</div> <div>Castlemaine Group - Castlemainian</div>	
<div>Qg</div> <div>coastal lagoon deposits</div>	<div>Nbb</div> <div>Black Rock Sandstone</div>	<div>Num</div> <div>Maude Basalt</div>	<div>Czg</div> <div>conglomerate and sandstone</div>	<div>G277</div> <div>You Yangs Granite</div>	<div>Ocd</div> <div>Castlemaine Group - Darriwillian</div>	

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Qa1	alluvium
Qa2	alluvial terrace deposits
Qb	alluvium and colluvium
Qc1	colluvium
Qc3	slump deposits
Qc4	granite-derived colluvium
Qd1	inland dune deposits
Qg	coastal lagoon deposits
Qm1	swamp and lake deposits

Qyc	Coode Island Silt
Nbr	Red Bluff Sandstone
Nc1	incised colluvium
Neo	Newer Volcanic Group - basalt flows
Neo2	Newer Volcanic Group - stony rises basalt
Nug	Greensborough Basalt
Nun	Neerim Volcanic Group
Nuo	Monbulk Volcanic Group
Nws	Shepparton Formation

Nxp	Sub-basaltic sediments
-Put	Thorpdale Volcanic Group
Y-F	dyke, felsic
G223	Black Range Granodiorite
G224	Buxton Granodiorite
G226	Toole-Be-Wong Granodiorite
G227	Mount Stinton Granodiorite
G235	Warburton Granodiorite
G239	Tynong Granite

G240	Silvan Granodiorite
G241	Lysterfield Granodiorite
G275	Morang Granodiorite
Dc	Cathedral Group
Djc	Coldstream Rhyolite
Dje	Mount Evelyn Rhyodacite
Djf	Ferny Creek Rhyodacite
Djk	Kalorama Rhyodacite
Djy	Yellingbo Porphyry

Dn	Walhalla Group
Dne-Sji	Easts Lookout Siltstone-Wilson Creek Shale
Dnm	Montys Hut Formation
Dnn	Norton Gully Sandstone
Dny	Woori Yallock Formation
Dxd	Cave Hill Sandstone
Dxe	Lilydale Limestone
Dxh	Humevale Siltstone
Dyad	Donna Buang Rhyodacite

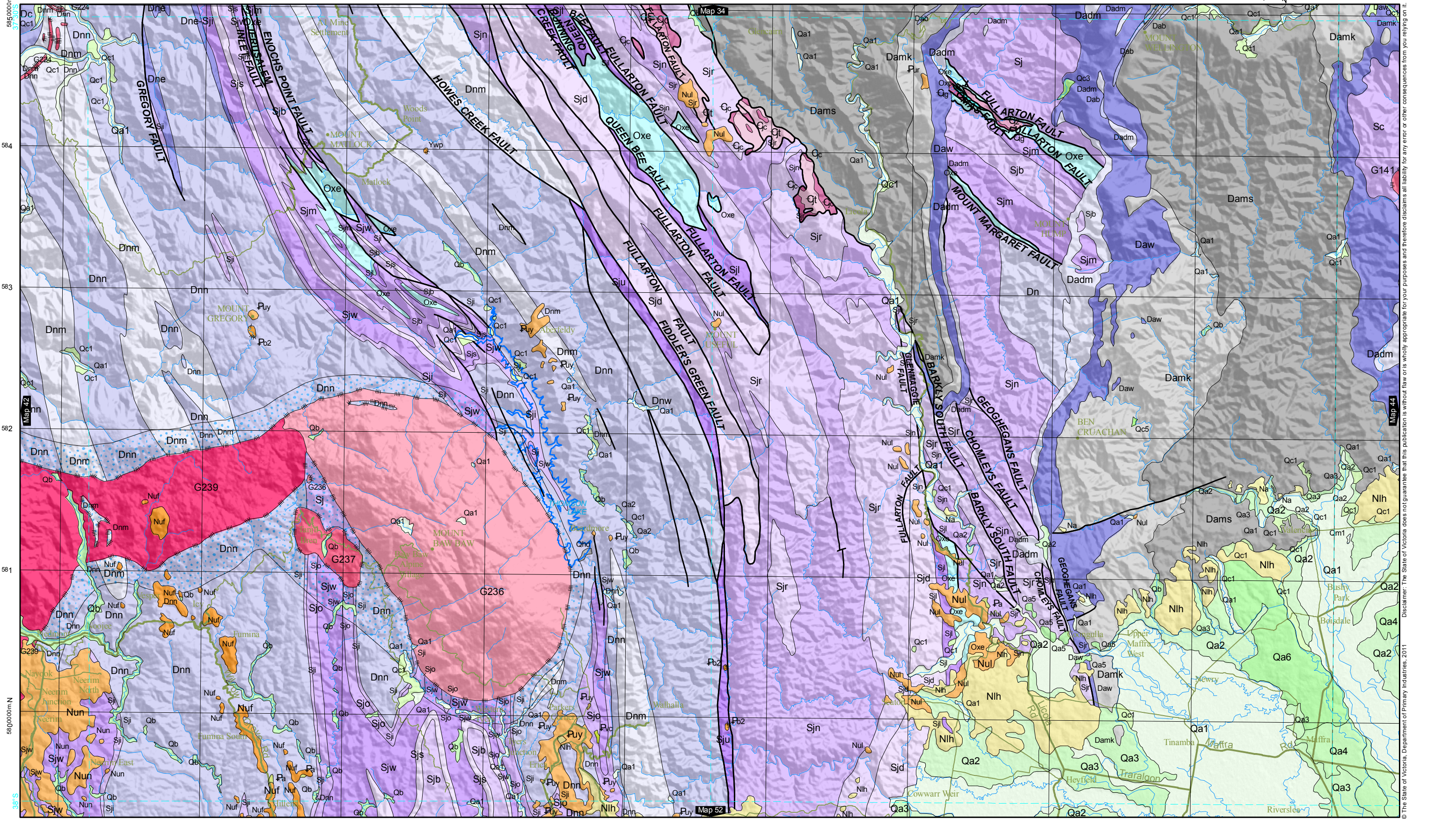
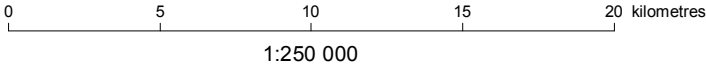
Dyay	Ythan Creek Rhyodacite
Dycl	Lake Mountain Rhyodacite
Dycr	Rubicon Rhyolite
Dyt	Taggerty Subgroup
Sji	Wilson Creek Shale
Sjw	Whitelaw Siltstone
Sxa	Anderson Creek Formation
Sxb	Broadford Formation
Sxm	Melbourne Formation

••••• Hornfels

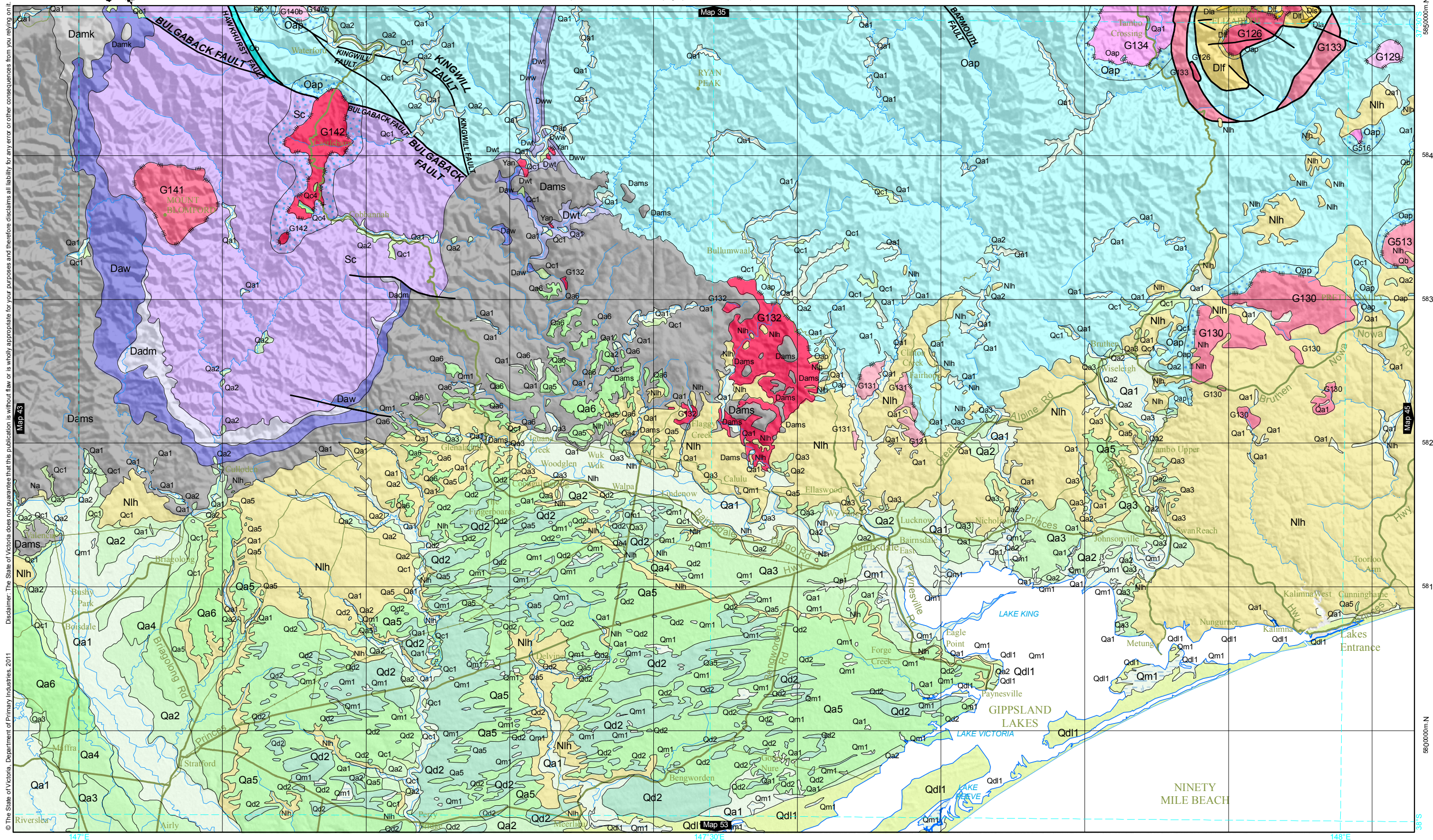
MAP 43 MATLOCK-MAFFRA

MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

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Qa1 alluvium	Qc3 slump deposits	-Pa Sub-basaltic sediments	G239 Tynong Granite	Dne-Sji Easts Lookout Siltstone-Wilson Creek Shale	Sjl Lazarini Siltstone	Oxe Mount Easton Shale
Qa2 alluvial terrace deposits	Qc5 dissected colluvium	-Po2 Paleogene plugs and dykes	Dab Avon Supergroup - basalt	Dnm Montys Hut Formation	Sjm McAdam Sandstone	Oxp Phosphate Hill Formation
Qa3 alluvial terrace deposits	Qhd dam wall deposits	-Pur Bryce Plain Basalt	Dadm Moroka Glen Formation	Dnn Norton Gully Sandstone	Sjn Murderers Hill Siltstone	-Cj2 serpentinite
Qa4 alluvial terrace deposits	Na incised alluvium	-Puy Aberfeldy Basalt : Aberfeldy Basalt	Damk Mount Kent Conglomerate	Dnw White Star Formation	Sjo Boola Formation	-Cjc Cobbs Spur Andesite Breccia
Qa5 alluvial terrace deposits	Nlh Haunted Hills Formation	-Pvc Childers Formation : Childers Formation	Dams Snowy Plains Formation	Sj Jordan River Group	Sjr Serpentine Creek Sandstone	-Ctg Garvey Gully Formation
Qa6 alluvial terrace deposits	Nuf Fumina Basalt	Ywp Woods Point Dyke Swarm	Daw Wellington Volcanic Group	Sjb Bullung Siltstone	Sjs Sinclair Valley Sandstone	-Cjs Whisky Knob Rhyolite
Qb alluvium and colluvium	Nul Glenmaggie Basalt	G236 Baw Baw Granodiorite	Dn Walhalla Group	Sjd Donnellys Creek Siltstone	Sju Wurutwun Formation	-Cjt Tobacco Creek Andesite
Qc1 colluvium	Nun Neerim Volcanic Group	G237 Tanjil Granodiorite	Dne Easts Lookout Siltstone	Sji Wilson Creek Shale	Sjw Whitelaw Siltstone	Hornfels Hornfels



Qa1 alluvium
Qa2 alluvial terrace deposits
Qa3 alluvial terrace deposits
Qa4 alluvial terrace deposits
Qa5 alluvial terrace deposits
Qa6 alluvial terrace deposits

Qc1 colluvium
Qc4 granite-derived colluvium
Qd2 dune deposits
Qdl1 coastal dune deposits
Qm1 swamp and lake deposits
Nlh Haunted Hills Formation

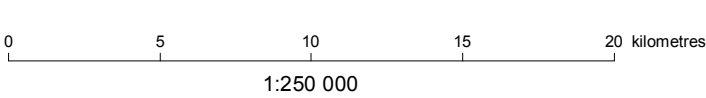
Yan Angusvale Dyke Swarm
G126 Mount Elizabeth Granodiorite
G130 Colquhoun Granite
G131 Sarsfield Granite
G132 Mount Taylor Granite
G133 Saint Patricks Creek Granite

G134 Tambo Crossing Tonalite
G140b Dargo Tonalite - granite phase
G141 Mount Blomford Granite
G142 Castleburn Granite
Dadm Moroka Glen Formation
Damk Mount Kent Conglomerate

Dams Snowy Plains Formation
Daw Wellington Volcanic Group
Dla Mount Elizabeth Caldera Complex - rhyolite
Dlf Fainting Range Ignimbrite
Dis Slater Ignimbrite
Dwt Tabberabbera Formation

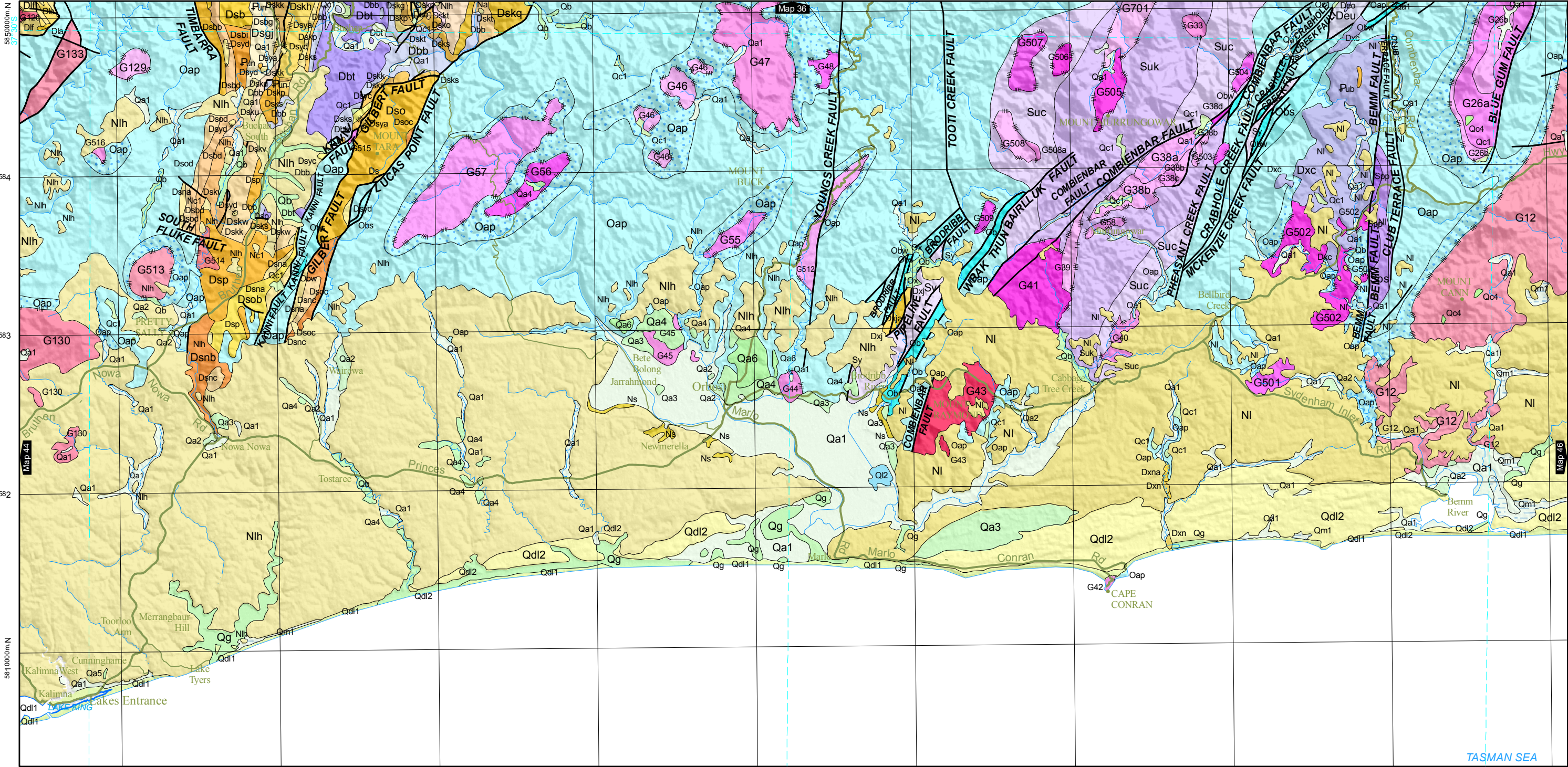
Dww Wild Horse Formation
Sc Cobbannah Group
Oap Pinnak Sandstone
Ob Bendoc Group
Hornfels

MAP 45 ORBOST-MURRUNGOWAR



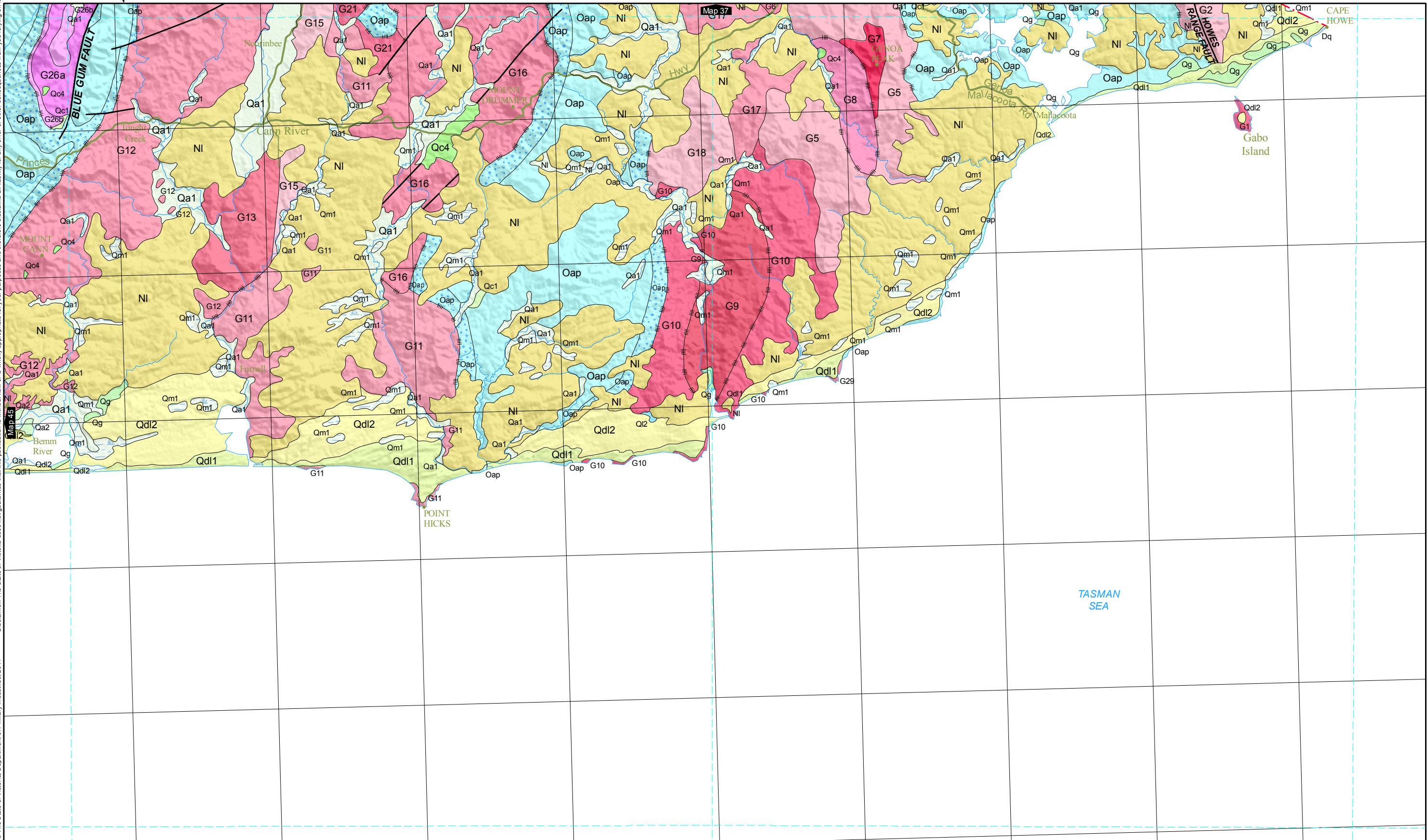
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Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



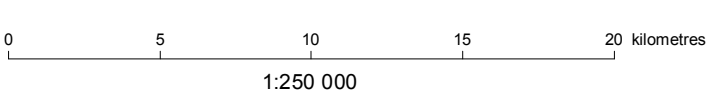
<div>Qa1</div> <div>alluvium</div>	<div>G38a</div> <div>Arte Gabbro - gabbro phase</div>	<div>G512</div> <div>Cooney Ridge Granodiorite</div>	<div>Dso</div> <div>Tara Range Subgroup</div>	<div>Dxna</div> <div>Yeerung River Volcanics - porphyry</div>
<div>Qa4</div> <div>alluvial terrace deposits</div>	<div>G38b</div> <div>Arte Gabbro - homblende gabbro phase</div>	<div>G513</div> <div>Case Granite</div>	<div>Dsob</div> <div>Tomato Creek Ignimbrite</div>	<div>Spp</div> <div>Poddy Creek Metamorphics phyllite</div>
<div>Qa5</div> <div>alluvial terrace deposits</div>	<div>G38c</div> <div>Arte Gabbro - tonalite phase</div>	<div>G514</div> <div>Mollys Plain Granite</div>	<div>Dsoc</div> <div>Hospital Creek Sandstone</div>	<div>Sps</div> <div>Poddy Creek Metamorphics spotted slate</div>
<div>Qa6</div> <div>alluvial terrace deposits</div>	<div>G38d</div> <div>Arte Gabbro - mylonite phase</div>	<div>G515</div> <div>Crohn Granite</div>	<div>Dsod</div> <div>Fluke Knob Ignimbrite</div>	<div>Suc</div> <div>Kuark Metamorphic Complex - cordierite-andalusite zone</div>
<div>Qb</div> <div>alluvium and colluvium</div>	<div>G39</div> <div>Murrungowar Granite</div>	<div>G516</div> <div>Kaerwut Tonalite</div>	<div>Dskv</div> <div>Jellung Ignimbrite</div>	<div>Suk</div> <div>Kuark Metamorphic Complex - K-feldspar-sillimanite zone</div>
<div>Qc1</div> <div>colluvium</div>	<div>G40</div> <div>Enfield Granite</div>	<div>Dbb</div> <div>Buchan Caves Limestone</div>	<div>Dskw</div> <div>Holloways Formation</div>	<div>Sy</div> <div>Yalmy Group</div>
<div>Qc4</div> <div>granite-derived colluvium</div>	<div>G43</div> <div>Mount Raymond Granite</div>	<div>Dbt</div> <div>Taravale Marlstone</div>	<div>Dskw</div> <div>Rankin Road Ignimbrite</div>	<div>Oap</div> <div>Pinnak Sandstone</div>
<div>Qdl1</div> <div>coastal dune deposits</div>	<div>G129</div> <div>Kenny Creek Diorite</div>	<div>Ds</div> <div>Snowy River Volcanic Group</div>	<div>Dsp</div> <div>Castor Oil Lava</div>	<div>Ob</div> <div>Bendoc Group</div>
<div>Qdl2</div> <div>Older coastal dune depoits</div>	<div>G502</div> <div>Watchmaker Granodiorite</div>	<div>Dsbd</div> <div>Johnson Mudstone</div>	<div>Dsya</div> <div>Snowy River Volcanic Group - porphyry</div>	<div>Oba</div> <div>Akuna Mudstone</div>
<div>Qg</div> <div>coastal lagoon deposits</div>	<div>G503</div> <div>Purgagoolah Granite</div>	<div>Dskk</div> <div>Fairy Sandstone</div>	<div>Dsyc</div> <div>Snowy River Volcanic Group - porphyry</div>	<div>Obs</div> <div>Sunlight Creek Formation</div>
<div>Ql2</div> <div>lake deposits</div>	<div>G504</div> <div>Pike Hill Granodiorite</div>	<div>Dsku</div> <div>Stonehenge Ignimbrite</div>	<div>Dsyd</div> <div>Snowy River Volcanic Group - rhyolite</div>	<div>Obw</div> <div>Warbisoo Shale</div>
<div>Qm1</div> <div>swamp and lake deposits</div>	<div>G506</div> <div>Mount Jack Granite</div>	<div>Dskp</div> <div>McRaes Ignimbrite</div>	<div>Dxc</div> <div>Combyingbar Formation</div>	<div>Ox</div> <div>Undifferentiated Ordovician/Silurian sedimentary rocks</div>
<div>Nc1</div> <div>incised colluvium</div>	<div>G505</div> <div>Scrubby Flat Gabbro</div>	<div>Dsna</div> <div>Kanni Ignimbrite</div>	<div>Dxj</div> <div>Pipeline Volcanics</div>	<div></div> <div>Hornfels</div>
<div>-Pub</div> <div>Begg Creek Basalt</div>	<div>G508a</div> <div>Ocean View Granite - mylonitic granodiorite</div>	<div>Dsnb</div> <div>Boggy Creek Sandstone</div>	<div>Dxja</div> <div>Pipeline Volcanics - porphyry</div>	
<div>G12</div> <div>Tonghi Granodiorite</div>	<div>G509</div> <div>Rocky Jack Granite</div>	<div>Dsnc</div> <div>Nowa Nowa Conglomerate</div>	<div>Dxn</div> <div>Yeerung River Volcanics</div>	

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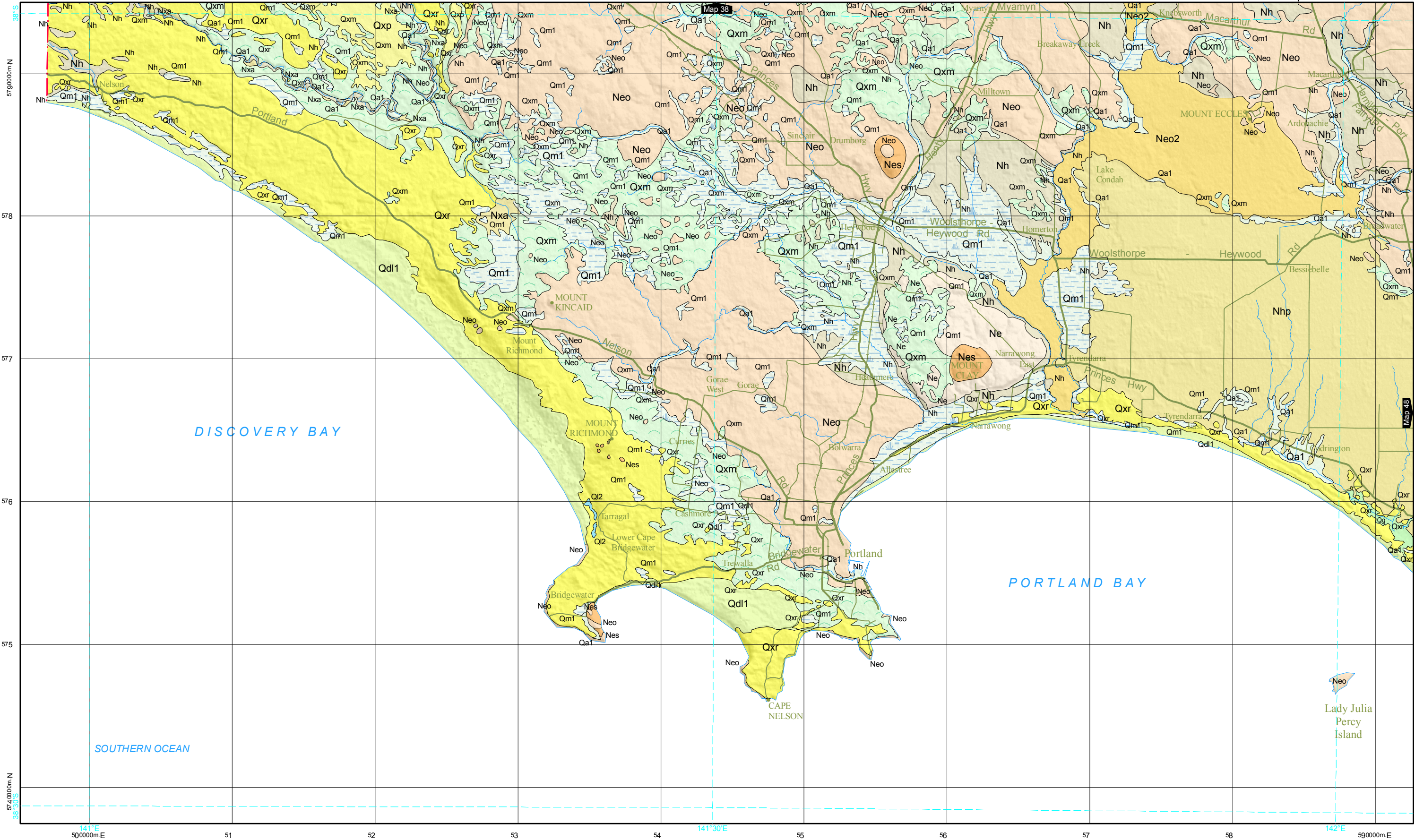
<div>Qa1</div> <div>alluvium</div>	<div>Qg</div> <div>coastal lagoon deposits</div>	<div>G5</div> <div>Croajalong Granite</div>	<div>G11</div> <div>Everard Granite</div>	<div>G18</div> <div>Yoke Up Creek Granite</div>	<div>Obw</div> <div>Warbisco Shale</div>
<div>Qc1</div> <div>colluvium</div>	<div>Qm1</div> <div>swamp and lake deposits</div>	<div>G6</div> <div>Wangarabell Granodiorite</div>	<div>G12</div> <div>Tonghi Granodiorite</div>	<div>G21</div> <div>Beehive Granite</div>	<div></div> <div></div>
<div>Qc4</div> <div>granite-derived colluvium</div>	<div>NI</div> <div>Sale Group</div>	<div>G7</div> <div>Genoa Peak Granite</div>	<div>G13</div> <div>Tamboon Road Granite</div>	<div>G26a</div> <div>Blue Gum Tonalite - mafic phase</div>	<div></div> <div></div>
<div>Qd2</div> <div>dune deposits</div>	<div>Dq</div> <div>Merrimbula Group</div>	<div>G8</div> <div>Betka Granodiorite</div>	<div>G15</div> <div>Noorinbee Granodiorite</div>	<div>G26b</div> <div>Blue Gum Tonalite - felsic phase</div>	<div></div> <div></div>
<div>Qdl1</div> <div>coastal dune deposits</div>	<div>G1</div> <div>Gabo Island Granite</div>	<div>G9</div> <div>Wingan Granite</div>	<div>G16</div> <div>Drummer Granodiorite</div>	<div>G29</div> <div>Sandpatch Point Granite</div>	<div></div> <div></div>
<div>QI2</div> <div>lake deposits</div>	<div>G2</div> <div>Howe Range Granite</div>	<div>G10</div> <div>Skerries Granite</div>	<div>G17</div> <div>Derndang Granite</div>	<div>Oap</div> <div>Pinnak Sandstone</div>	<div></div> <div></div>

MAP 47 NELSON-PORTLAND



MGA Zone 54 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



- | | | | |
|------|-------------------------|------|---|
| Qa1 | alluvium | Ne | Newer Volcanic Group |
| Qdl1 | coastal dune deposits | Neo | Newer Volcanic Group - basalt flows |
| Ql2 | lake deposits | Neo2 | Newer Volcanic Group - stony rises basalt |
| Qm1 | swamp and lake deposits | Nes | Newer Volcanic Group - scoria deposits |
| Qxm | Molineaux Sand | Nh | Heytesbury Group |
| Qxp | Padthaway Formation | Nhp | Port Campbell Limestone |
| Qxr | Bridgewater Formation | Nxa | Whalers Bluff Formation |

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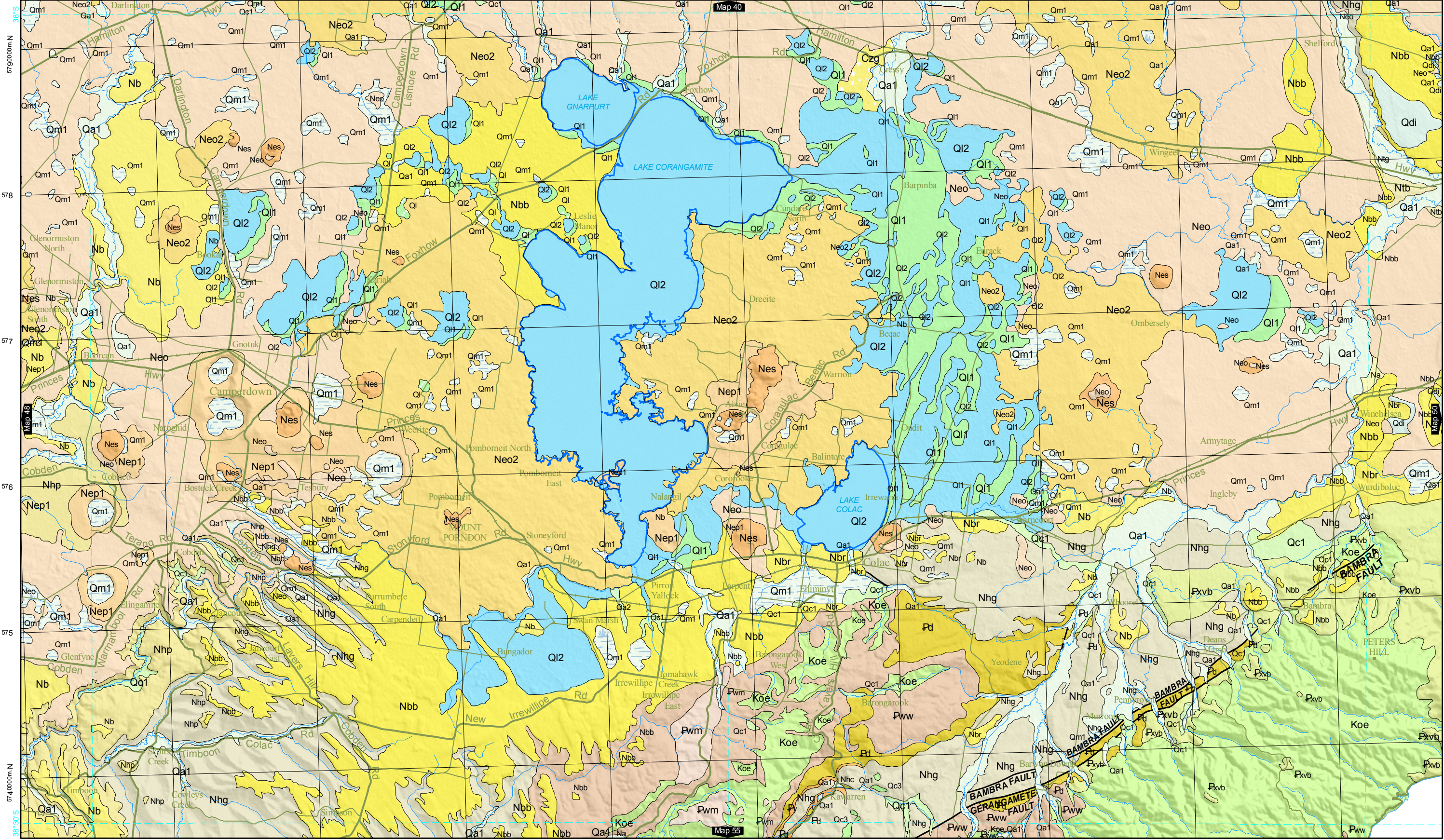
- | | | | | | |
|------|---------------------------|------|---|-------|--|
| Qa1 | alluvium | Qm1 | swamp and lake deposits | Nept | Tower Hill Tuff |
| Qa2 | alluvial terrace deposits | Qxm | Molineaux Sand | Neptp | Piton Scoria Member |
| Qc1 | colluvium | Qxr | Bridgewater Formation | Nes | Newer Volcanic Group - scoria deposits |
| Qdl1 | coastal dune deposits | Nb | Brighton Group | Nh | Heytesbury Group |
| Qg | coastal lagoon deposits | Neo | Newer Volcanic Group - basalt flows | Nhg | Gellibrand Marl |
| Ql1 | lunette deposits | Neo2 | Newer Volcanic Group - stony rises basalt | Nhp | Port Campbell Limestone |
| Ql2 | lake deposits | Nep1 | Newer Volcanic Group - tuff rings | | |

MAP 49 CORANGAMITE-COLAC

0 5 10 15 20 Kilometres
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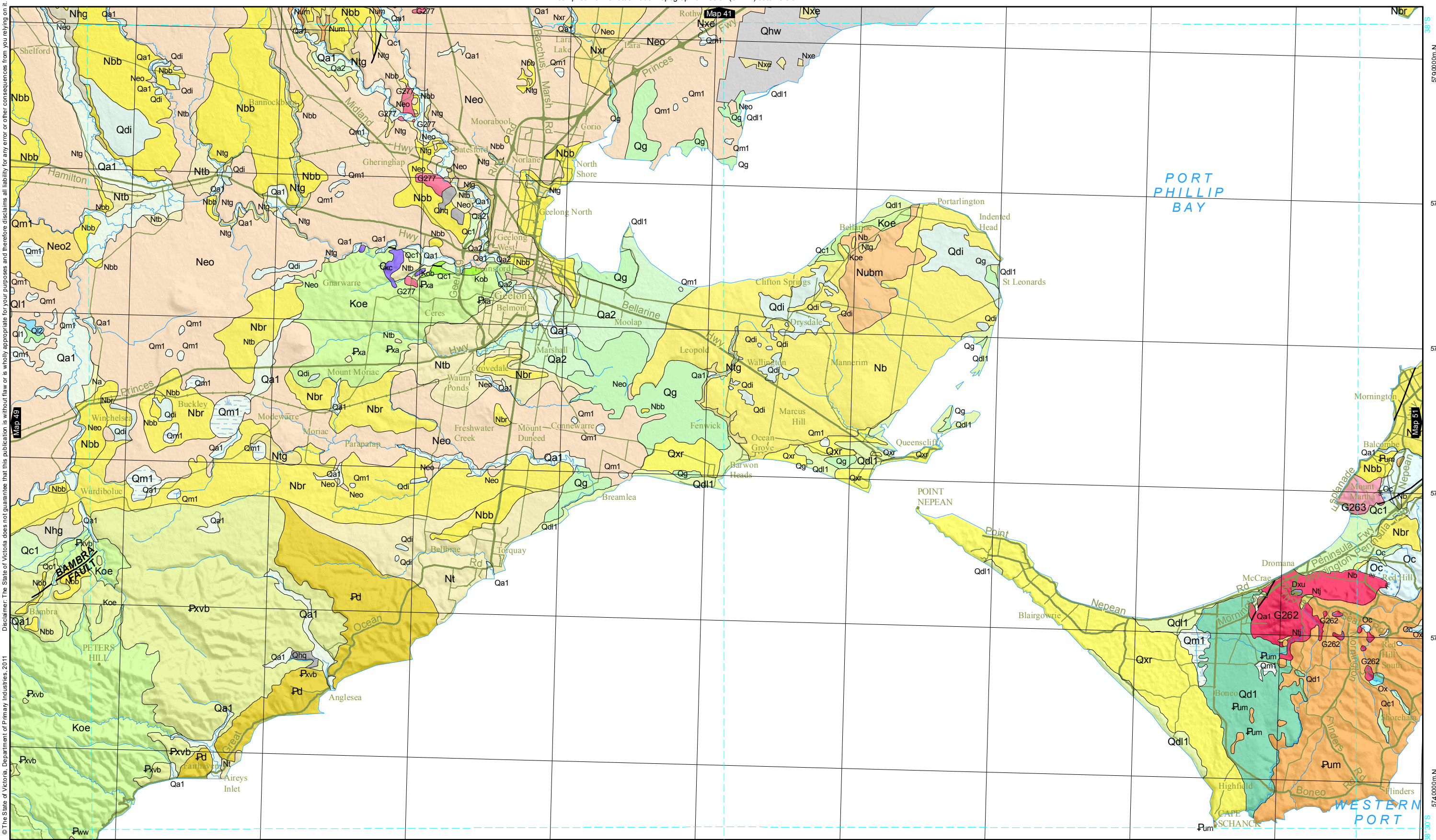
MGA Zone 54 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



- | | | | | | | | |
|-----|--------------------------------|-----|-------------------------|------|---|-------|------------------------------------|
| Qa1 | alluvium | QI2 | lake deposits | Neo | Newer Volcanic Group - basalt flows | -Pd | Demons Bluff Group |
| Qa2 | alluvial terrace deposits | Qm1 | swamp and lake deposits | Nep1 | Newer Volcanic Group - tuff rings | -Pwm | Moomowroong Sand |
| Qc1 | colluvium | Na | incised alluvium | Neo2 | Newer Volcanic Group - stony rises basalt | -Pww | Wiridjil Gravel |
| Qc3 | slump deposits | Nb | Brighton Group | Nes | Newer Volcanic Group - scoria deposits | -Pxvb | Eastern View and Boonah formations |
| Qdi | source-bordering dune deposits | Nbb | Black Rock Sandstone | Nhc | Clifton Formation | -Py | Yaugher Volcanic Group |
| Ql | lunette and lake deposits | Nbr | Red Bluff Sandstone | Nhg | Gellibrand Marl | Koe | Eumeralla Formation |
| QI1 | lunette deposits | Nhp | Port Campbell Limestone | Czf | duricrust | | |

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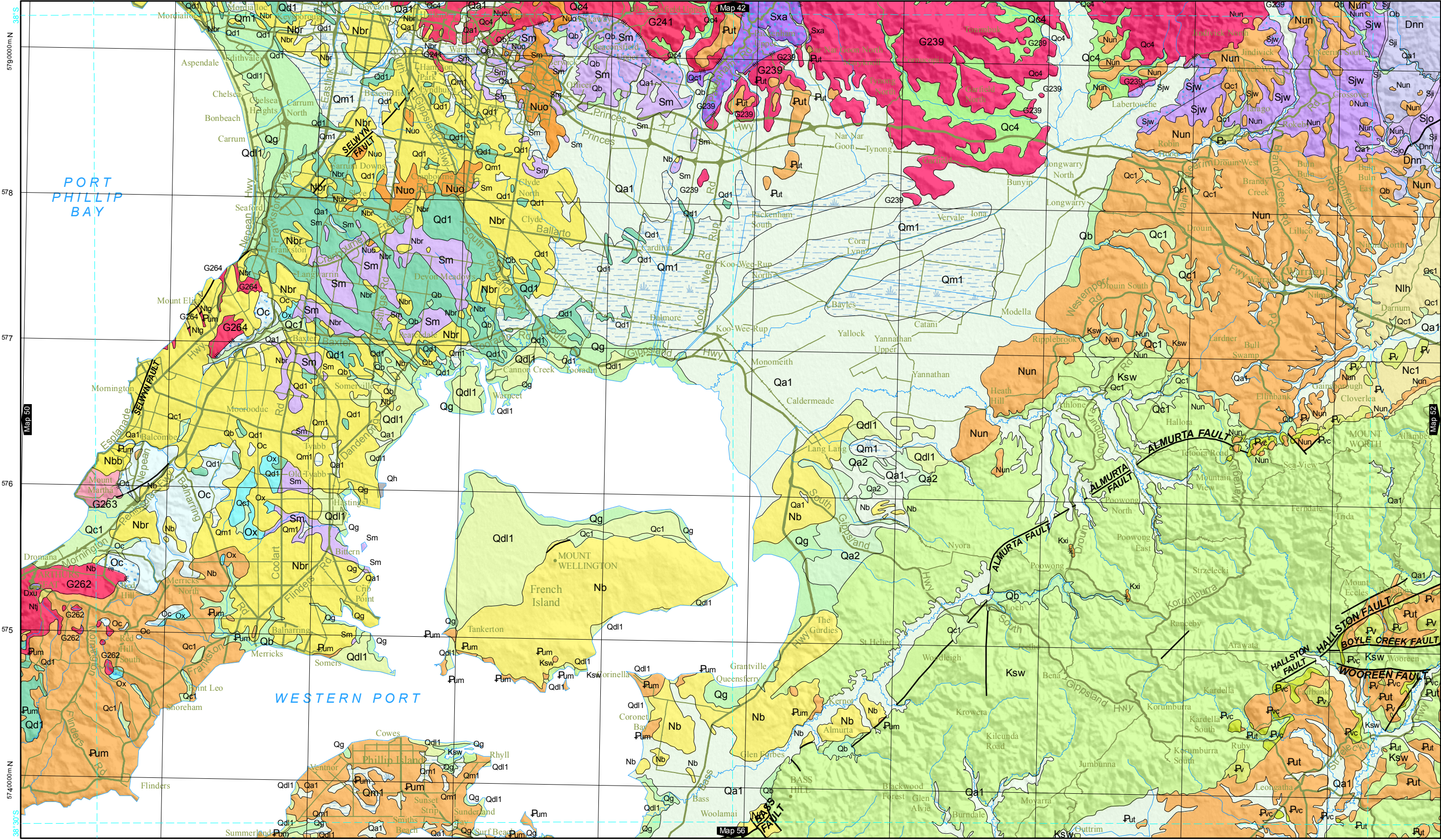
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Qa1	alluvium	Qg	coastal lagoon deposits	Nb	Brighton Group	Ntb	Batesford Limestone	Nxr	Darley Gravel	Koe	Eumeralla Formation	-Cxc	Ceres Gabbro
Qa2	alluvial terrace deposits	Qhq	quarry waste deposits	Nbb	Black Rock Sandstone	Ntg	Gellibrand Marl	-Pd	Demons Bluff Group	G262	Dromana Granite		
Qc1	colluvium	Qhw	waste deposits	Nbr	Red Bluff Sandstone	Ntj	Jan Juc Formation	-Pum	Mornington Volcanic Group	G263	Mount Martha Granodiorite		
Qd1	inland dune deposits	Qm1	swamp and lake deposits	Neo	Newer Volcanic Group - basalt flows	Nubm	Murraduc Basalt	-Pxa	Calivil Formation	G277	You Yangs Granite		
Qdi	source-bordering dune deposits	Qxr	Bridgewater Formation	Nhg	Gellibrand Marl	Num	Maude Basalt	-Pxvb	Eastern View and Boonah formations	Dxu	Arthurs Seat Rhyodacite		
Qdl1	coastal dune deposits	Na	incised alluvium	Nt	Torquay Group	Nxe	Deutgam Silt	Kob	Barwon River Conglomerate	Oc	Castlemaine Group : hornfels		

MAP 51 WESTERN PORT-WARRAGUL

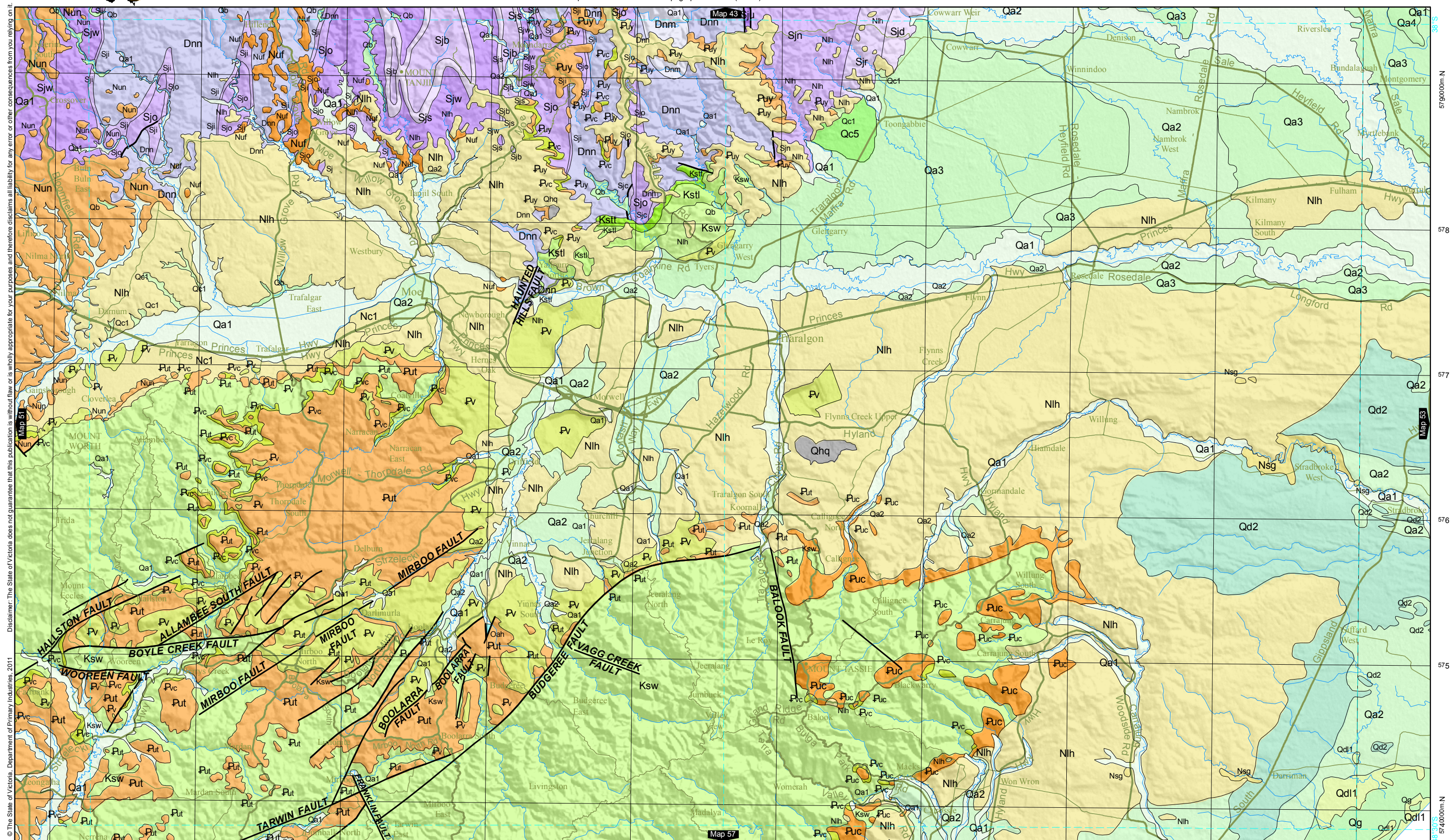
MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



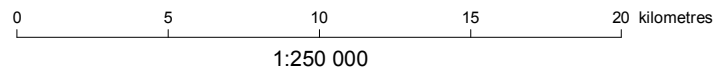
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|--------------------------------------|------------------------------------|---|--|--|
| Qa1 alluvium | Qg coastal lagoon deposits | Nlh Haunted Hills Formation | -Pum Mornington Volcanic Group | G263 Mount Martha Granodiorite |
| Qa2 alluvial terrace deposits | Qh anthropogenic deposits | Nuo Monbulk Volcanic Group | -Put Thorpdale Volcanic Group | G264 Mount Eliza Granodiorite |
| Qb alluvium and colluvium | Qm1 swamp and lake deposits | Nun Neerim Volcanic Group | Ksw Wonthaggi Formation | Sjw Whitelaw Siltstone |
| Qc1 colluvium | Nb Brighton Group | Ntg Gellibrand Marl | Kxi Cretaceous, intrusive rocks | Sm Murrindindi Supergroup |
| Qc4 granite-derived colluvium | Nbb Black Rock Sandstone | -Pa Sub-basaltic sediments | G239 Tynong Granite | Sxa Anderson Creek Formation |
| Qd1 inland dune deposits | Nbr Red Bluff Sandstone | -Pv Latrobe Valley Group | G241 Lysterfield Granodiorite | Oc Castlemaine Group |
| Qdl1 coastal dune deposits | Nc1 incised colluvium | -Pvc Childers Formation : Childers Formation | G262 Dromana Granite | Ox Undifferentiated Ordovician/Silurian sedimentary rocks |

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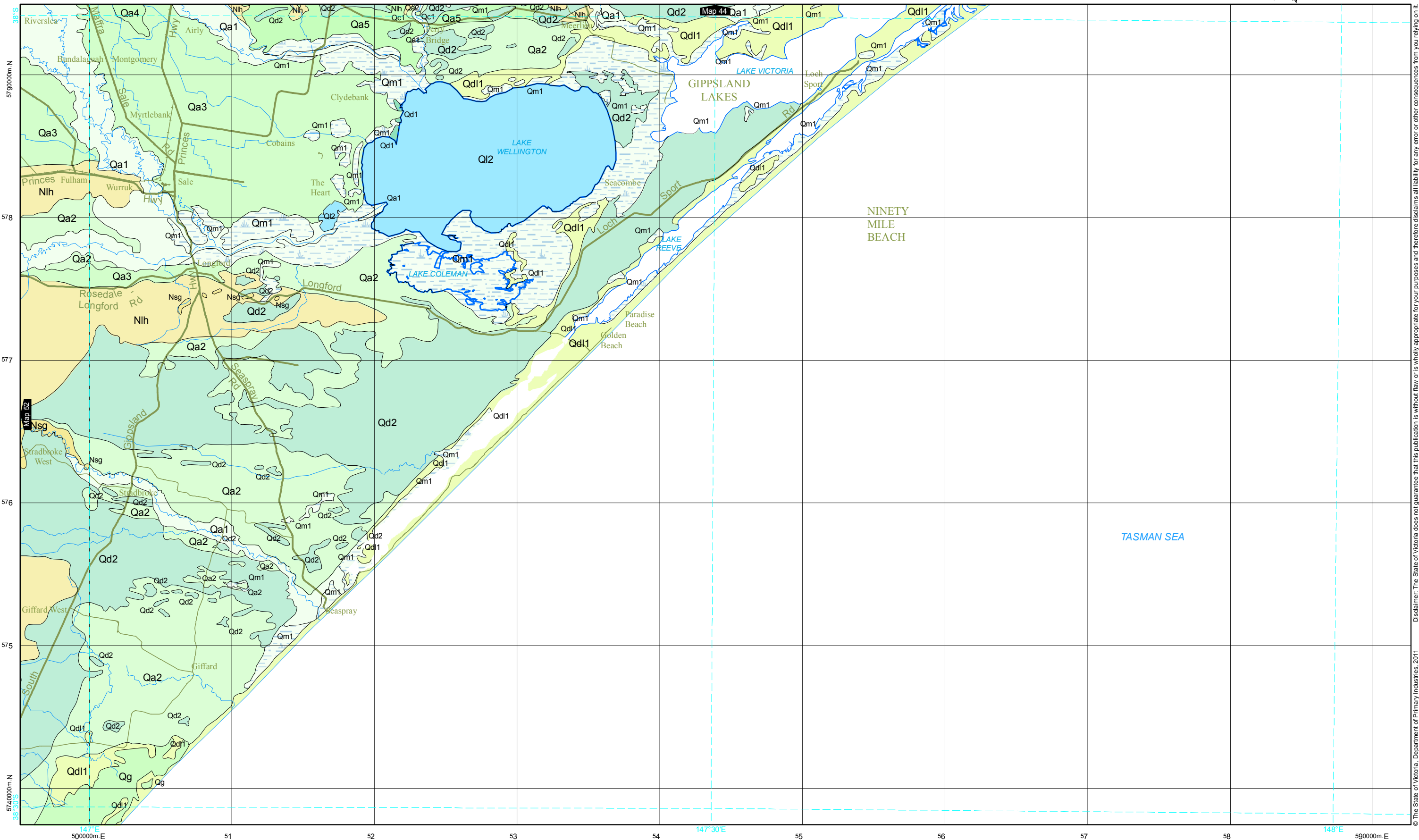
410000m.E		42	43		44		45		46		47		48		49		500000m.E		
Qa1	alluvium		Qd2	dune deposits		Nuf	Fumina Basalt		-Pv	Latrobe Valley Group		Dnn	Norton Gully Sandstone		Sjn	Murderers Hill Siltstone		Oah	Howqua Chert
Qa2	alluvial terrace deposits		Qd1	coastal dune deposits		Nun	Neerim Volcanic Group		-Pvc	Childers Formation		Sj	Jordan River Group		Sjo	Boola Formation			
Qa3	alluvial terrace deposits		Qg	coastal lagoon deposits		Nsg	Gippsland Limestone		Kstl	Locmany Formation		Sjb	Bullung Siltstone		Sjr	Serpentine Creek Sandstone			
Qb	alluvium and colluvium		Qhq	quarry waste deposits		-Puc	Carrajung Volcanic Group		Kstt	Tyers Conglomerate		Sjc	Coopers Creek Limestone		Sjs	Sinclair Valley Sandstone			
Qc1	colluvium		Nc1	incised colluvium		-Put	Thorpdale Volcanic Group		Ksw	Wonthaggi Formation		Sjd	Donnellsy Creek Siltstone		Sju	Wurutwun Formation			
Qc5	dissected colluvium		Nlh	Haunted Hills Formation		-Puy	Aberfeldy Basalt		Dnm	Montys Hut Formation		Sji	Wilson Creek Shale		Sjw	Whitelaw Siltstone			

MAP 53 SALE-STOCKYARD

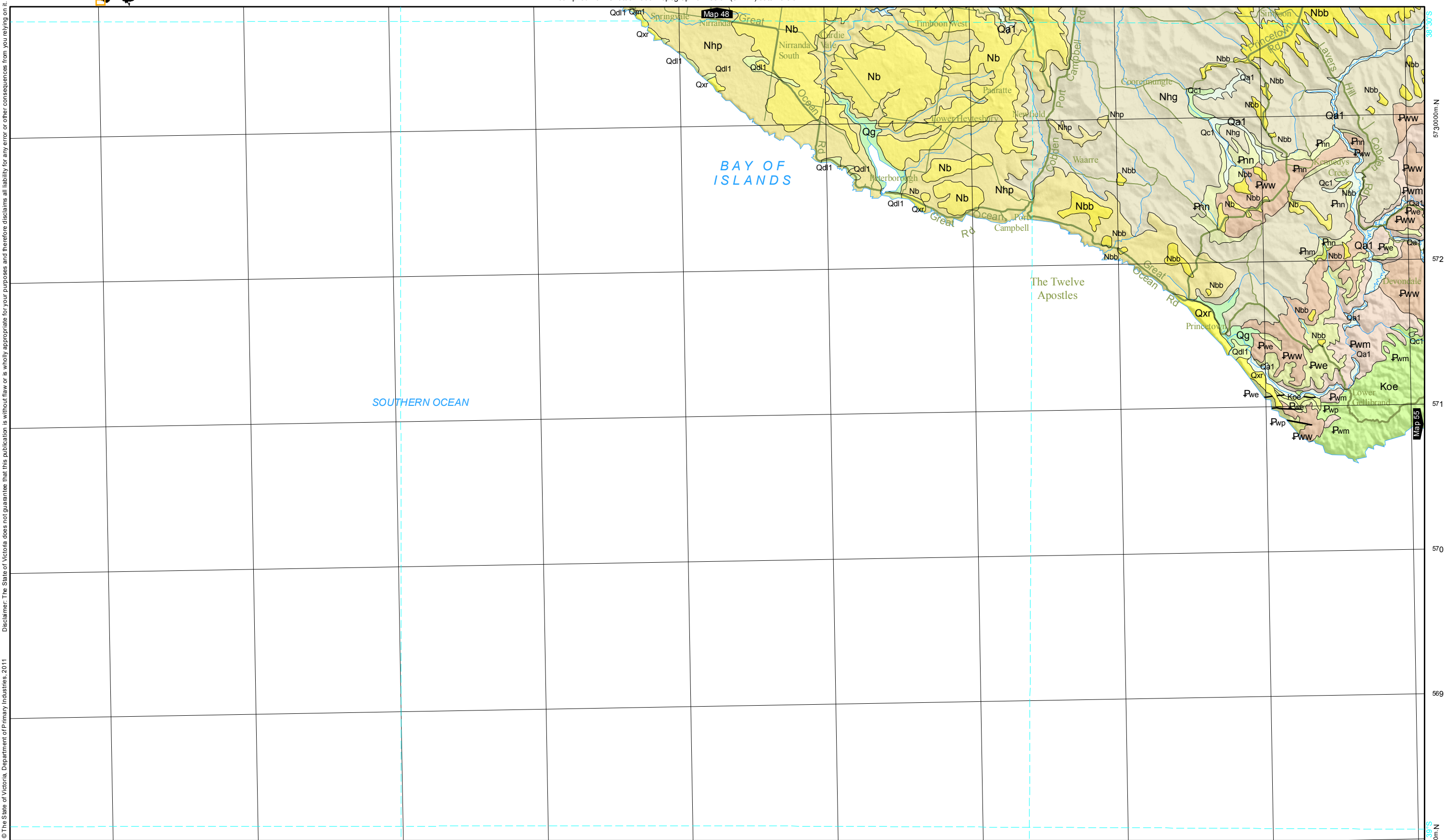


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Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



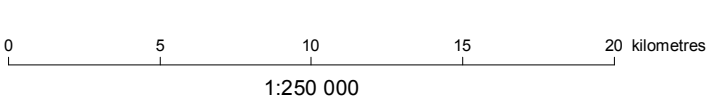
Qa1	alluvium	Qd1	inland dune deposits	Nlh	Haunted Hills Formation
Qa2	alluvial terrace deposits	Qd2	dune deposits	Nsg	Gippsland Limestone
Qa3	alluvial terrace deposits	Qd11	coastal dune deposits		
Qa4	alluvial terrace deposits	Qg	coastal lagoon deposits		
Qa5	alluvial terrace deposits	Ql2	lake deposits		
Qc1	colluvium	Qm1	swamp and lake deposits		



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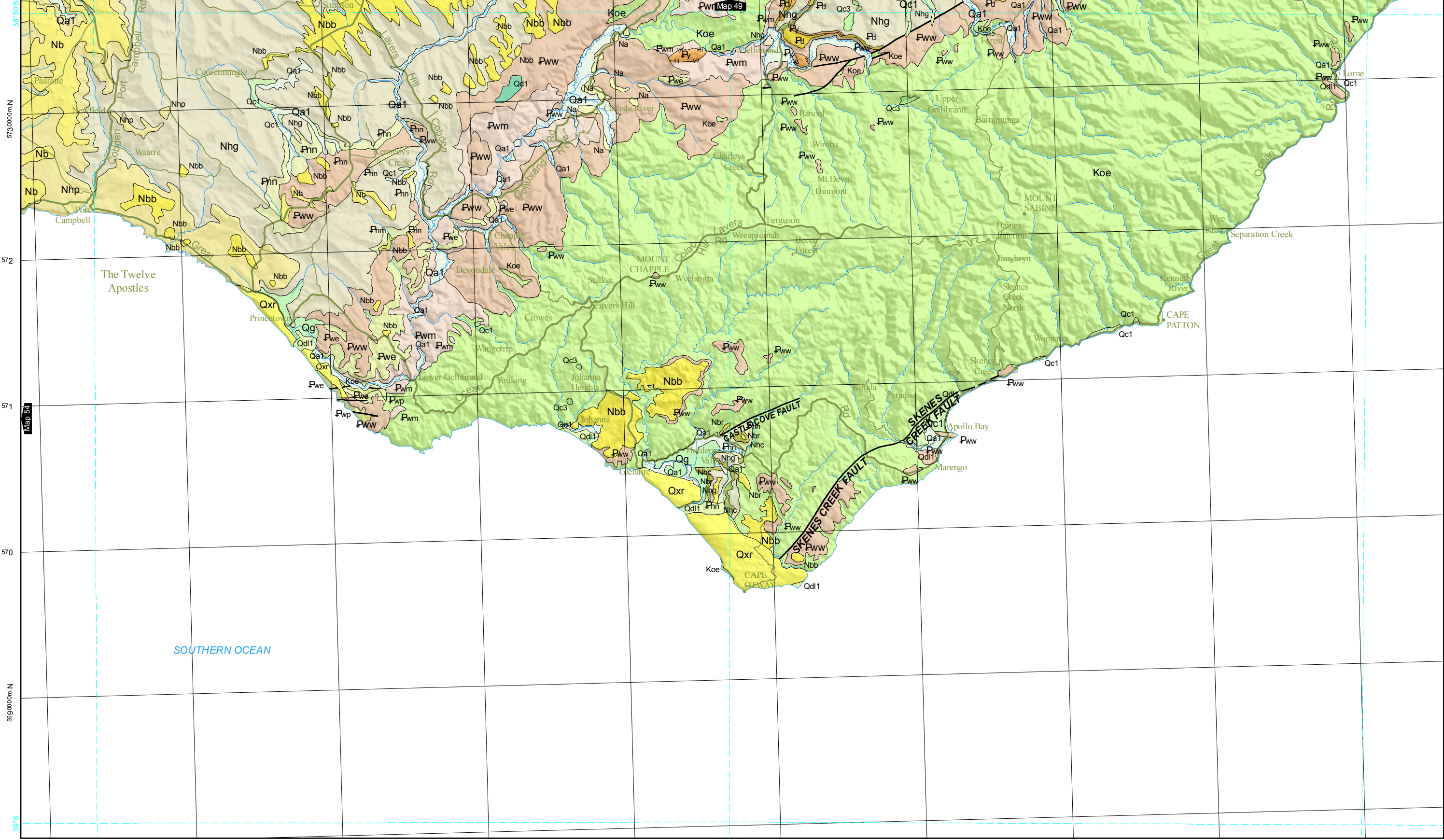
Qa1	alluvium	Nhg	Gellibrand Marl	-Pwp	Pebble Point Formation
Qc1	colluvium	Nhp	Port Campbell Limestone	Koe	Eumeralla Formation
Qdl1	coastal dune deposits	-Pnm	Mepunga Formation		
Qg	coastal lagoon deposits	-Pnn	Narrawaturk Marl		
Qxr	Bridgewater Formation	-Pwe	Pember Mudstone		
Nb	Brighton Group	-Pwm	Moomowroong Sand		
Nbb	Black Rock Sandstone	-Pww	Wiridjil Gravel		

MAP 55 PRINCETOWN-OTWAY



MGA Zone 54 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

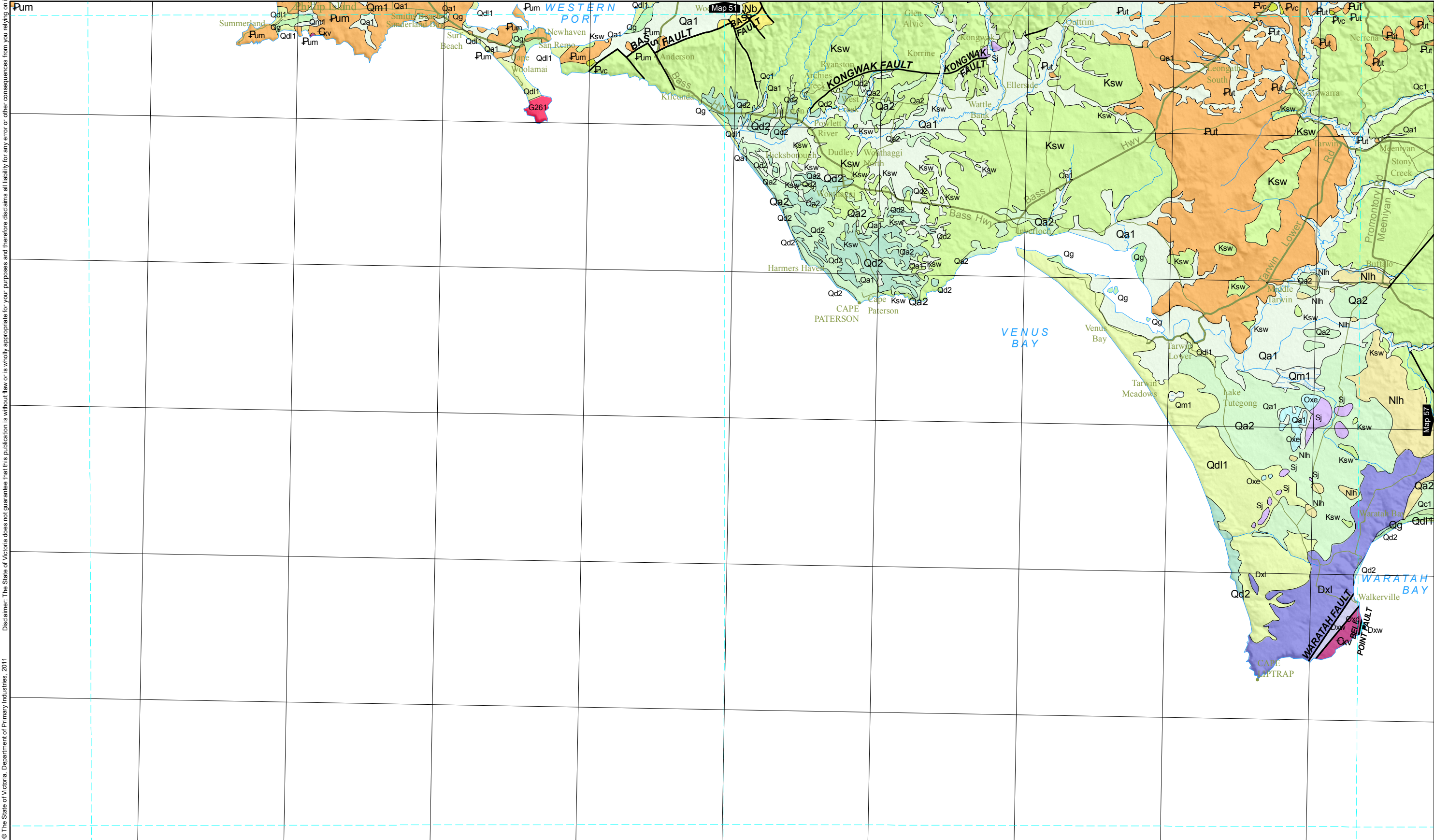
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- | | | | | | | | |
|------|-------------------------|-----|-------------------------|------|------------------------|-----|-------------------------|
| Qa1 | alluvium | Na | incised alluvium | -Pd | Demons Bluff Group | -Py | Yaughter Volcanic Group |
| Qc1 | colluvium | Nb | Brighton Group | -Pnm | Mepunga Formation | Koe | Eumeralla Formation |
| Qc3 | slump deposits | Nbb | Black Rock Sandstone | -Pnn | Narrawaturk Marl | | |
| Qd1 | inland dune deposits | Nbr | Red Bluff Sandstone | -Pwe | Pember Mudstone | | |
| Qdl1 | coastal dune deposits | Nhc | Clifton Formation | -Pwm | Moomowroong Sand | | |
| Qg | coastal lagoon deposits | Nhg | Gellibrand Marl | -Pwp | Pebble Point Formation | | |
| Qxr | Bridgewater Formation | Nhp | Port Campbell Limestone | -Pww | Wiridjil Gravel | | |

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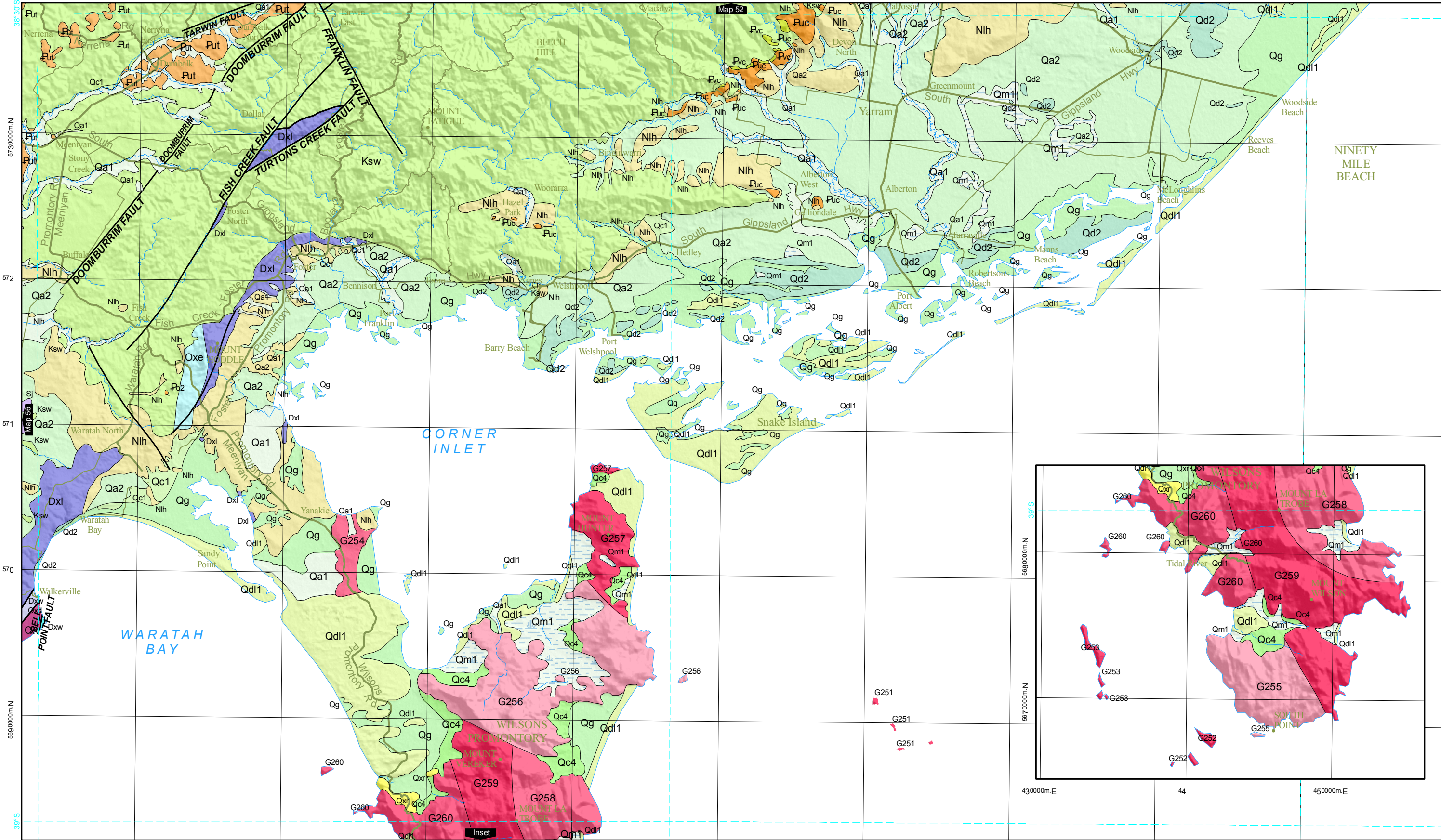
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- | | | | | | |
|-----|---------------------------|------|---------------------------|-------|--|
| Qa1 | alluvium | Nb | Brighton Group | Dxl | Liptrap Formation |
| Qa2 | alluvial terrace deposits | Nlh | Haunted Hills Formation | Dxw | Waratah Limestone |
| Qc1 | colluvium | -Pum | Mornington Volcanic Group | Sj | Jordan River Group |
| Qd2 | dune deposits | -Put | Thorpdale Volcanic Group | Oxd | Digger Island Marlstone |
| Qd1 | coastal dune deposits | -Pvc | Childers Formation | Oxe | Mount Easton Shale |
| Qg | coastal lagoon deposits | Ksw | Wonthaggi Formation | -C xv | Cambrian metamorphosed mafic volcanics |
| Qm1 | swamp and lake deposits | G261 | Woolamai Granite | | |

MAP 57 FOSTER-YARRAM

MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

Geology 1: 250,000 data from the Geological Survey of Victoria, Department of Primary Industries. Base data compiled from Department of Sustainability and Environment, Victoria. Hill shading compiled from Shuttle Radar Topographic Mission (SRTM) data version 2.



- | | | | | | | | | | |
|------|---------------------------|------|--|------|---------------------------|------|----------------------------|------|--|
| Qa1 | alluvium | Qg | coastal lagoon deposits | -Po2 | Paleogene plugs and dykes | G257 | Mount Singapore Granite | Oxd | Digger Island Marlstone |
| Qa2 | alluvial terrace deposits | Qm1 | swamp and lake deposits | -Put | Thorpdale Volcanic Group | G258 | Sealers Cove Granite | Oxe | Mount Easton Shale |
| Qc1 | colluvium | Qxr | Bridgewater Formation | Ksw | Wonthaggi Formation | G259 | Vereker Granite | -Cvx | Cambrian metamorphosed mafic volcanics |
| Qc4 | granite-derived colluvium | Nlh | Haunted Hills Formation | G251 | Cliffy Island Granite | G260 | Wilsons Promontory Granite | | |
| Qd2 | dune deposits | -Puc | Carrajung Volcanic Group : Carrajung Volcanics | G254 | Yanakie Granite | Dxl | Liptrap Formation | | |
| Qdl1 | coastal dune deposits | -Pvc | Childers Formation : Childers Formation | G256 | Lilly Pilly Granite | Dxw | Waratah Limestone | | |

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Appendix

Ordered by Age

Code	Name	Description	Age	Code	Name	Description	Age
Qa1	alluvium	Gravel, sand, silt: variably sorted and rounded; generally unconsolidated; includes deposits of low terraces; alluvial floodplain deposits	Pleistocene to Holocene	Qxr	Bridgewater Formation	Calcarenite: medium to coarse grained shell fragments and minor quartz; consolidated, thin interbedded red palaeosols, minor hard calcrete capping, prominent dune cross-bedding; coastal dune deposits	Pleistocene to Pleistocene
Qa2	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa1, alluvial floodplain deposits	Pleistocene to Pleistocene	Qxw	Woorinen Formation	Dune deposits, unconsolidated; mainly red-brown siliceous silty sand, red calcareous silty clay, and sandy clay; calcareous nodules and palaeosols common; uppermost unit is mainly sand without calcareous nodules and clay matrix. Forms discontinuous chains of east-west longitudinal dunes.	Pleistocene to Holocene
Qa3	alluvial terrace deposits	Gravel, sand, silt, clay: moderately sorted and poorly consolidated; alluvial terrace deposits higher than Qa2; alluvial floodplain deposits	Pleistocene to Pleistocene	Qxy	Yamba Formation	Pale grey gypsite, gypsiferous clay and grey pelletal gypsum-quartz sand aggregates; locally includes grey clay with crystalline gypsum mush under black sulphide-rich mud with ephemeral salt crusts of gypsum, halite, bishofite, thenardite and mirabalite; lacustrine evaporite deposits	Late Pleistocene to Holocene
Qa4	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa3; alluvial floodplain deposits	Pliocene to Quaternary	Qyc	Coode Island Silt	Black silt, clay: lagoon deposits	Pleistocene to Pleistocene
Qa5	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa4; alluvial floodplain deposits	Pliocene to Quaternary	Na	incised alluvium	Gravel, sand, silt, minor ferricrete; variably incised.	Pliocene to Pleistocene
Qa6	alluvial terrace deposits	Gravel, sand, silt; variably sorted and rounded, generally unconsolidated; dissected to form alluvial terraces higher than Qa5; alluvial floodplain deposits	Pliocene to Quaternary	Nb	Brighton Group	Gravel, sand, silt: variably calcareous to ferruginous sandstones and coquinas; marine to nonmarine	Miocene to Pliocene
Qb	alluvium and colluvium	Sand, silt, clay, gravel, diamictite; alluvial and colluvial deposits	Quaternary to Quaternary	Nbb	Black Rock Sandstone	Sand, sandstone, conglomerate, minor sandy limestone, local ironstone: pale to dark brown, reddish brown; generally very well sorted, variably cemented; horizontally laminated to low-angle cross-laminated; glauconitic; contains shelly fossils and burrows	Miocene to Pliocene
Qc1	colluvium	Diamictite, gravel, sand, silt, clay, rubble: sorting variable, usually poor; generally poorly rounded; clasts locally sourced; includes channel deposits with better rounding and sorting	Pliocene to Holocene	Nbr	Red Bluff Sandstone	Sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone	Miocene to Pliocene
Qc2	scree deposits	Gravel, sand, silt and clay; poorly sorted and rounded; unconsolidated; composition reflects local source; scree deposits.	Pleistocene to Pleistocene	Nc1	incised colluvium	Silt, sand, gravel: generally poorly sorted and poorly rounded except within channels cut into colluvial material; dissected to variable degrees	Pliocene to Holocene
Qc3	slump deposits	Diamictite, clay, clayey silt, rubble: poorly sorted and unconsolidated	Holocene to Holocene	Nc4	dissected granite-derived colluvium	Quartz and feldspar sand and gravel: well sorted, fine to medium grained; derived from granite	Pliocene to Pleistocene
Qc4	granite-derived colluvium	Quartz and feldspar sand: well sorted, fine to medium grained; derived from granite	Pleistocene to Holocene	Ne	Newer Volcanic Group	Mafic to lesser intermediate and ultramafic lavas and pyroclastics and minor intrusive rocks, interbedded sedimentary rocks	Miocene to Holocene
Qc5	dissected colluvium	Diamictite: variable mixture of clay, silt, sand, gravel, boulders; variably sorted; variably consolidated; may include layers of better-sorted sand and gravel; colluvial fans variably dissected	Pliocene to Pleistocene	Neaa	Smokers Creek Volcanic Subgroup - basanite lava	Basanite lava: blue-black; very fine-grained to glassy; massive; commonly weathered to clay	Miocene to Pliocene
Qc6	basalt-derived slump deposits	Basalt blocks in black clay: unconsolidated; often located below perennial springs	Pliocene to Holocene	Neab	Smokers Creek Volcanic Subgroup - benmoreite lava	Benmoreite lava: blue-grey; fine-grained; massive; phenocrysts of K-feldspar or anorthoclase, olivine and pyroxene	Miocene to Pliocene
Qc7	unnamed rock rivers	'Rock rivers' and boulder fields: angular to sub-rounded cobbles and boulders; forms aprons on the flanks of steep hills and around basalt caps; loose blocks; no matrix; periglacial	Pleistocene to Pleistocene	Neah	Smokers Creek Volcanic Subgroup - hawaiite lava	Hawaiite lava: blue-black; fine-grained; massive or with platy flow-banding; small phenocrysts of olivine, plagioclase and pyroxene	Miocene to Pliocene
Qd1	inland dune deposits	Sand, silt, clay: friable to consolidated; well sorted; includes both lunette deposits and deposits of longitudinal dunes	Quaternary to Quaternary	Neam	Smokers Creek Volcanic Subgroup - mugearite lava	Mugearite lava, minor scoria: grey; evenly fine-grained; massive to uncommonly vesicular; sporadic large phenocrysts of anorthoclase	Miocene to Pliocene
Qd2	dune deposits	Sand, clay, calcareous sand: well rounded, moderately consolidated, locally ferruginised.	Pleistocene to Pleistocene	Neat	Smokers Creek Volcanic Subgroup - trachyte lava	Trachyte lava, minor scoria and tuff: near-black when fresh but usually weathered to pale colours; variably porphyritic with small to large phenocrysts of K-feldspar, anorthoclase, occasional albite in fine-grained groundmass; trachytic scoria and tuff well bedded, moderately to well sorted	Miocene to Pliocene
Qd3	clay-rich dunes	Low dunes of clay, sandy clay and sand, with small areas of swamp between dunes; includes some lunettes, but mostly forms areas of slightly elevated topography; dominantly aeolian	Pleistocene to Quaternary	Neay	Yungabulla Formation	Diamictic tuff, lapilli deposits: generally dark colours; massive to bedded; lapilli and blocks of trachyte, slate, sandstone vein quartz, occasional pumice in massive ash matrix; poorly consolidated to lithified	Miocene to Pliocene
Qdi	source-bordering dune deposits	Sand, silt, clay: inland dune deposits, some swamp deposits; mostly source-bordering	Pleistocene to Holocene	Neo	Newer Volcanic Group - basalt flows	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene
Qd11	coastal dune deposits	Sand, silt, clay: well sorted, poorly consolidated; coastal dune and beach deposits, some swamp deposits	Holocene to Holocene	Neo1	Newer Volcanic Group - valley-filling basalt	Olivine basalt: blue-black; fine-grained; olivine phenocrysts; valley-filling flows	Pliocene to Pleistocene
Qd12	Older coastal dune depoits	Sand, silt, clay: quartz-rich, well sorted, poorly consolidated, locally ferruginised; older coastal dune and beach deposits, some interdune swamp deposits; occur immediately inland from active coastal dunes, with similar trends, more rounded profiles and vegetation cover.	Pleistocene to Holocene	Neo2	Newer Volcanic Group - stony rises basalt	Tholeiitic to alkalic basalt, basanite: youngest flows with little weathering or soil development (stony rises and hummocky lava flows)	Miocene to Holocene
Qg	coastal lagoon deposits	Silt, clay: dark grey to black; variably consolidated	Holocene to Holocene	Nep1	Newer Volcanic Group - tuff rings	Tuff rings: pyroclastic base surge and fall deposits consisting of ash, lapilli, scoria, volcanic bombs and calcareous lithic fragments; well-bedded, well sorted, moderately consolidated	Miocene to Holocene
Qh	anthropogenic deposits	Accumulations of gravel, sand and mud deposited by humans.	Holocene to Holocene	Nept	Tower Hill Tuff	Pyroclastic rocks with basaltic and sedimentary clasts; ash and lapilli with scattered blocks and bombs; well layered with planar planar to diffuse bedding; common cross-bedding and climbing ripples	Pleistocene to Holocene
Qhd	dam wall deposits	Dam wall material.	Holocene to Holocene	Neptp	Piton Scoria Member	Scoria, spatter, ash, nepheline basanite lava: scoria unconsolidated; basanite highly vesicular; small olivine phenocrysts in opaque groundmass	Pleistocene to Holocene
Qhm	mullock heaps	Piles of waste material from mines.	Holocene to Holocene	Nes	Newer Volcanic Group - scoria deposits	Hawaiite, basanite, nephelinite, mugearite, trachybasalt, trachyandesite; scoria, ash, lapilli, agglutinated lava spatter, volcanic bombs, minor lava flows and calcareous lithic fragments: massive to moderately bedded, poorly consolidated	Miocene to Holocene
Qhq	quarry waste deposits	Sand , gravel and clay; overburden and waste from quarries.	Holocene to Holocene	Net1	Newer Volcanic Group - icelandite	Icelandite (trachyandesite): dark grey, fine-grained; occasionally glassy; porphyritic with phenocrysts of plagioclase, pyroxene and minor olivine; xenoliths of Castlemaine Group, recrystallised quartz and gabbro; closely spaced horizontal joints; localised sheet flows	Neogene to Neogene
Qhw	waste deposits	Clayey silt containing organic and non-organic material; land fill of various kinds.	Holocene to Holocene	Net2	Newer Volcanic Group - alkaline lavas	Nepheline trachyte and nepheline phonolite: dark green-grey, fine grained; porphyritic with phenocrysts of feldspar; occasional trachytic texture; localised sheet flows and lava domes	Miocene to Quaternary
Ql	lunette and lake deposits	Clay, silt, sand; unconsolidated: lake floor and lunette deposits	Pleistocene to Holocene	Net3	Newer Volcanic Group - trachyte plug	Trachyte: creamy white with phenocrysts of anorthoclase and kaersutite in a groundmass of sanidine and opaques.	Miocene to Pleistocene
Ql1	lunette deposits	Clay, clayey silt, silty clay, clay pellet aggregates, gypseous clay pellets, gypsite, minor fine grained sand, interlayered calcareous and gypseous palaeosols; well to moderately sorted, unconsolidated: clay lunettes.	Pleistocene to Holocene	Nh	Heytesbury Group	Calcarenite, marl, silt	Oligocene to Miocene
Ql2	lake deposits	Carbonaceous clay and silt, fine to coarse grained sand, gravel; poorly sorted, unconsolidated: lake floor and lake beach deposits.	Pliocene to Holocene				
Qm1	swamp and lake deposits	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene				
Qxb	Blanchetown Clay	Laminated greenish-grey and red-brown clay and silty clay, locally calcareous and gypsiferous; minor interbedded quartz sand, ostracod sand; contains calcareous, gypsiferous and siliceous nodules.	Pliocene to Early Pleistocene				
Qxm	Molineaux Sand	Aeolian dune sand, fine to medium grained; quartz-rich and clay-poor.	Pleistocene to Holocene				
Qxp	Padthaway Formation	Lagoonal, swamp and locally colluvial deposits forming low-lying wetlands between stranded beach ridges: sand, silt, sandy clay, peat, marl, freshwater limestone; unconsolidated	Pleistocene to Pleistocene				

Ordered by Age

Code	Name	Description	Age
Nhc	Clifton Formation	Calcarenite: generally medium to coarse grained, fragments of bryozoans, molluscs and echinoids, minor quartz and limonite sand; moderately bedded, alternating poorly and well-cemented beds; shallow marine and minor beach and near shore deposits	Oligocene to Miocene
Nhg	Gellibrand Marl	Calcareous silty clay and clayey silt: minor fine to coarse grained shelly calcarenite beds, abundant bryozoans and molluscs, common echinoids, brachiopods, corals, crabs and shark teeth, locally abundant glauconite pellets; strongly burrowed, massive to moderately bedded; continental shelf deposit	Chattian to Miocene
Nhp	Port Campbell Limestone	Calcarenite, minor calcilitute: generally fine-grained; bryozoan, mollusc, echinoid and brachiopod fragments, minor coarse-grained calcarenite, quartz sand and clayey silt; weakly cemented, moderately bedded; continental shelf deposit	Miocene to Miocene
Nl	Sale Group	Clastics and carbonate sediments: includes gravel, claystone, sandstone, siltstone; nonmarine to marginal marine	Miocene to Pliocene
Nlh	Haunted Hills Formation	Sand, silt, gravel: various shades of brown, yellow, red, white; variably sorted; variably rounded; crudely to well-bedded; commonly strongly oxidised with ironstone near the top and also within the formation	Pliocene to Pleistocene
Ns	Seaspray Group	Clastic sedimentary rocks: calcareous and ferruginous sandstone, marl; nonmarine to paralic clastics, marine clastics, marine carbonates	Rupelian to Miocene
Nsg	Gippsland Limestone	Calcarenite, marl	Miocene to Miocene
Nt	Torquay Group	Marlstone, limestone, mudstone, sandstone, minor lignite	Oligocene to Miocene
Ntb	Batesford Limestone	Limestone (calcarenite), minor sandstone and conglomerate: limestone pale brown to white; bryozoal; well sorted; well bedded; calcareous sandstone and gravel at base.	Aquitanian to Miocene
Ntg	Gellibrand Marl	Marl, mudstone, sandstone, calcarenite, minor lignite, ligneous clay: marl blue-green and yellow; abundant carbonate nodules; contains shelly fossils and microfossils; lignite dark brown; contains spores and pollen	Miocene to Miocene
Ntj	Jan Juc Formation	Marl, clay, silt: glauconitic	Oligocene to Oligocene
Nubm	Murraduc Basalt	Olivine basalt	Miocene to Miocene
Nuc	Morass Creek Basalt	Basalt lava: olivine basalt, blue-black to grey when fresh, dense to moderately vesicular, with well developed columnar jointing.	Pliocene to Pliocene
Nuf	Fumina Basalt	Basalt flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, minor nepheline basalt, basanite and nepheline hawaiite.	Burdigalian to Burdigalian
Nug	Greensborough Basalt	Basalt: blue-grey; phenocrysts of olivine in groundmass of titanaugite, labradorite laths, pyroxene, iron oxide, interstitial glass; olivine partly altered to serpentine.	Aquitanian to Aquitanian
Nui	Pine Lodge Leucitite	Dark grey olivine leucitite with phenocrysts of olivine and uncommon clinopyroxene in a groundmass of clinopyroxene, leucite, Fe-Ti oxides, interstitial nepheline and brown Ba- and Ti-rich mica.	Messinian to Messinian
Nul	Glenmaggie Basalt	Basalt flows; alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant	Aquitanian to Aquitanian
Num	Maude Basalt	Alkali olivine basalt: dark grey-green; phenocrysts of olivine; commonly deeply weathered	Aquitanian to Aquitanian
Nun	Neerim Volcanic Group	Basaltic lava flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, with minor nephelenite, basanite and nepheline hawaiite	Oligocene to Burdigalian
Nuo	Monbulk Volcanic Group	Basaltic lava flows: basanite, olivine tholeiite, hawaiite	Miocene to Miocene
Nup	Pintadeen Basalt	Olivine basalt: blue-black; dense; phenocrysts of labradorite, clinopyroxene, olivine in finer matrix with interstitial devitrified glass; well developed columnar jointing	Aquitanian to Aquitanian
Nurb	Balmattum Basalt	Dark grey mafic volcanic rock with olivine phenocrysts 1-5 mm across in a groundmass of clinopyroxene, olivine, plagioclase, magnetite and glass, with minor analcite after nepheline. Ranges from basanite to alkali basalt.	Miocene to Miocene
Nurk	Killeen Basalt	Mottled grey basanite with partially altered olivine crystals to 3 mm in a very fine-grained groundmass consisting of clinopyroxene, plagioclase, olivine and opaque minerals.	Miocene to Miocene
Nurs	Seven Creeks Basalt	Dark grey mafic volcanic rock containing small phenocrysts of olivine in a groundmass of augite, glass, magnetite and rare plagioclase, leucite or nepheline and red-brown biotite; ranges from alkali basalt to basanite; minor scoria and ash.	Miocene to Miocene
Nuu	Tullamarine Basalt	Lava flows: alkali olivine basalt	Aquitanian to Burdigalian
Nwl	Loxton Sand	Quartz sandstone: well sorted, fine to medium grained; well bedded; abundant lag horizons containing shelly fossils, pebble beds, rounded ironstone fragments; some heavy mineral concentrations; dissected or remobilised strand lines	Messinian to Zanclean
Nws	Shepparton Formation	Clay, sand, silt, poorly-sorted lenticular gravel. Dissected flood plain alluvium: terraces 1-10 metres above present river channels; well developed soil 2-3 m thick.	Pliocene to Holocene
Nxa	Whalers Bluff Formation	Bioclastic calcarenite with lenses of foraminiferal clay, shelly clay and marl; quartz sand near the base.	Pliocene to Pliocene
Nxc	Coimadaí Shale	Dolomite, clay, sand, tuff: dolomite: white to yellow; clay variable; laminated to varved; tuff basaltic; sand-sized; graded	Pliocene to Pliocene
Nxd	Dorodong Sand	Sand, sandstone, silt, fine conglomerate, cross-bedded; ferricrete	Miocene to Pliocene
Nxe	Deutgam Silt	Silt, minor sand and gravel	Pliocene to Pleistocene
Nxg	Grange Burn Formation	Shell beds, shelly marl, sandy limestone, calcareous sand.	Messinian to Zanclean

Code	Name	Description	Age
Nxj	Japan Creek Gravel	Gravel, sand: moderately to well sorted and poorly to moderately consolidated	Pliocene to Pleistocene
Nxl	windblown silt	silt, fine-grained sand	Pliocene to Pleistocene
Nxo	Oriental Claims Gravel	Conglomerate, sandstone: colour variable, mainly brown; predominantly vein quartz pebbles but with lithic cobbles and boulders { granite, high-grade metamorphic rocks } at base; moderately to well bedded; local channel erosion	Neogene to Neogene
Nxp	Sub-basaltic sediments	Conglomerate, sandstone	Miocene to Miocene
Nxr	Darley Gravel	Gravel, sand, silt: gravel red to pale colours; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; gravel clasts of vein quartz, sandstone, basalt, ironstone in proportions that reflect the local source	Neogene to Pleistocene
Nxu	Bullengarook Gravel	Gravel, sand, silt: gravel predominant; pale; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; pebble gravel consists mostly of vein quartz	Miocene to Pliocene
Czf	duricrust	Ferricrete, silcrete: duricrust	Miocene to Quaternary
Czg	conglomerate and sandstone	Conglomerate, quartz sandstone and siltstone: consolidated to commonly ferruginised; variably sorted; cross-bedding common	Paleocene to Pliocene
-Pa	Sub-basaltic sediments	Conglomerate, sandstone, mudstone, peat	Paleogene to Neogene
-Pd	Demons Bluff Group	Carbonaceous pyritic silt to fine sand, clay, and clayey sand; contains occasional shelly fossils and glauconite.	Eocene to Oligocene
-Pmd	Duddo Limestone	Calcarenite, bryozoal limestone	Chattian to Langhian
-Pnm	Mepunga Formation	Quartz sand: medium to coarse grained, iron-stained, minor detrital limonite, with gastropod and mollusc fragments; foraminifers; unconsolidated, locally cemented with calcite, interbedded with carbonaceous clayey silt to silty clay; barrier island, beach and near shore, estuarine and lagoonal deposits	Eocene to Eocene
-Pnn	Narrawaturk Marl	Calcareous mudstone, minor thin calcarenite beds: locally carbonaceous and burrowed, locally abundant glauconite pellets and polished quartz sand, foraminifers, bryozoans, brachiopods and molluscs; open marine (below storm wave base) deposits	Eocene to Oligocene
-Po2	Paleogene plugs and dykes	Alkali olivine basalt, microbasalt, phonolite: minor peridotite enclaves; plugs and dykes.	Paleogene to Paleogene
-Pp	Pentland Hills Volcanic Group	Alkali olivine basalt to nephelinite, minor tuff: dark grey; fine-grained; rarely vesicular; secondary calcite and magnesite in vesicles and joints	Paleocene to Eocene
-Pr	Renmark Group	Gravel, quartz sand, silt and clay: pyritic, ferruginised, unconsolidated to poorly consolidated	Thanetian to Miocene
-Pub	Begg Creek Basalt	Basalt flow: tholeiite with phenocrysts of plagioclase, olivine and augite in a groundmass of plagioclase, pyroxene and brown glass.	Paleogene to Neogene
-Puc	Carrajung Volcanic Group	Basalt, tuff, siltstone, claystone: titanaugite basalt coarse-grained; olivine basalt fine-grained porphyritic; tuff weathered; bedded to cross-bedded	Thanetian to Ypresian
-Puj	Mount Jim Volcanic Group	Basaltic lava flows: alkali olivine basalt, basanite, microbasalt, olivine nephelinite, phonolite; olivine phenocrysts are common; minor interbedded lacustrine and fluvial sedimentary rocks including siltstone, shale, gravel, peat and coal	Priabonian to Oligocene
-Puk	Karoonda Park Volcanic Group	Basalt flows with minor plugs, sills and dykes: olivine tholeiitic basalt and quartz tholeiitic basalt, with olivine phenocrysts.	Lutetian to Rupelian
-Pum	Mornington Volcanic Group	Basanite with lesser alkali basalt, nepheline hawaiite, nepheline mugearite, hawaiite, mugearite and nephelinite; lava flows, shallow intrusives and pyroclastics; minor interbedded fluvial sediments and lignite	Lutetian to Lutetian
-Pun	Nunnett Plains Volcanic Group	Basalt flows and minor dykes: quartz tholeiitic basalt, olivine tholeiitic basalt, nepheline basanite, hawaiite	Lutetian to Rupelian
-Pur	Bryce Plain Basalt	Alkali olivine basalt, minor olivine tholeiite, minor hawaiite, rare nephelinite: lava flows and plugs, interbedded sedimentary rocks. Dense, blue-black, rarely vesicular, typically strongly jointed.	Priabonian to Rupelian
-Put	Thorpdale Volcanic Group	Tholeiitic and alkalic basalt; minor nephelinite, basanite, nepheline hawaiite, hawaiite, mugearite, nepheline mugearite, tuff, interbedded sandstone and silcrete.	Paleocene to Miocene
-Puu	Tubbut Basalt	Basalt flows: olivine tholeiite, olivine nephelinite and hawaiite.	Lutetian to Priabonian
-Puw	Whitlands Volcanic Group	Basalt lava flows: basanite, alkali olivine basalt, hawaiite and olivine tholeiite.	Lutetian to Priabonian
-Puy	Aberfeldy Basalt	Alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant; interbedded sedimentary rocks	Oligocene to Aquitanian
-Pv	Latrobe Valley Group	Clastic sedimentary rocks: nonmarine to paralic clastics, marine clastics.	Eocene to Miocene
-Pvc	Childers Formation	Sandstone, conglomerate, clay, sand, gravel; fluvial deposits	Eocene to Eocene
-Pw	Wangerrip Group	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifers, minor calcareous foraminifers and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
-Pwe	Pember Mudstone	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifera, minor calcareous foraminifera and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
-Pwm	Moomowroong Sand	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel; marginal marine and beach deposits	Late Cretaceous to Paleocene

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Code	Name	Description	Age	Code	Name	Description	Age
-Pwp	Pebble Point Formation	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel, minor volcanic and metamorphic lithic cobbles and pebbles; near shore, shallow marine deposits	Paleocene to Paleocene	G5	Croajingalong Granite	Biomite granite: pink, coarse, porphyritic; rare microgranitoid enclaves	Early Devonian to Early Devonian
-Pww	Wiridjil Gravel	Quartz sand, silt, clay, pebbles, rare clay clasts; pebbles mostly dispersed, less commonly in horizontal layers; cohesive, sorting mostly very poor, rare volcanic and metamorphic lithic cobbles and pebbles; occasional large-scale tabular cross-bedding	Late Cretaceous to Paleocene	G6	Wangarabell Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, massive to foliated with thin mylonite zones; slightly porphyritic in abundant plagioclase; accessory sphene and magnetite; I-type	Early Devonian to Early Devonian
-Pxa	Calivil Formation	Conglomerate, sandstone, silt, clay: brown to pale colours; poorly sorted; clasts variably rounded; predominant vein quartz clasts; cross-bedding prominent	Oligocene to Miocene	G7	Genoa Peak Granite	Biotite granite: pink; porphyritic with phenocrysts of orthoclase, plagioclase and quartz; accessory magnetite	Early Devonian to Early Devonian
-Pxe	Werribee Formation	Sand, silt, clay, gravel in variable proportions: generally white to pale grey; in part carbonaceous, pyritic; ferruginous bands common; contains Cinnamomum flora	Eocene to Miocene	G8	Betka Granodiorite	Biotite-hornblende granodiorite: coarse grained with large pink K-feldspars occasionally mantled by plagioclase; accessory sphene; I-type	Early Devonian to Early Devonian
-Pxh	White Hills Gravel	Vein quartz conglomerate, sand, silt, clay in fluvial braid plain, outwash fan and colluvial deposits; typically compositionally mature, with ubiquitous well-rounded pebbles and cobbles of reef quartz, lesser more angular vein quartz and bedrock clasts; moderately to well sorted, massive to crudely stratified, cross-bedded and channelled; richly auriferous in places; variably ferruginised, silicified or kaolinised	Paleocene to Oligocene	G9	Wingan Granite	Granite: magnetic; I-type	Early Devonian to Early Devonian
-Pxvb	Eastern View and Boonah formations	Mudstone, sandstone, conglomerate, lignite: mudstone pale brown; contains lignite lenses; sandstone fine-grained to granule size; consists of quartz; poorly to moderately, rarely well sorted; conglomerate uncommon; detrital sediments poorly consolidated to uncommonly strongly cemented; lignite black to brownish black; commonly impure	Paleocene to Eocene	G10	Skerries Granite	Biotite granite, felsic: pink to grey; hornfels enclaves locally abundant; mostly non-magnetic	Early Devonian to Early Devonian
-Py	Yaugher Volcanic Group	Olivine basalt, tuff, microgabbro, minor sedimentary rocks	Eocene to Eocene	G11	Everard Granite	Biotite granite: I-type	Early Devonian to Early Devonian
Kob	Barwon River Conglomerate	Conglomerate, minor sandstone, pebbly sandstone, mudstone: conglomerate is poorly sorted with clasts of hornfels, gabbro and granite in a matrix of granitic sand	Albian to Albian	G12	Tonghi Granodiorite	Biotite-hornblende granodiorite: pale grey, medium to coarse grained; massive; slightly porphyritic in quartz; hornblende-bearing western half and hornblende-poor eastern half; I-type	Early Devonian to Early Devonian
Koe	Eumeralla Formation	Sandstone, mudstone, mud-clast conglomerate, minor coal: blue-green to grey; arkose to feldsarenite; fine to medium grained, mostly medium to thick-bedded, cross-bedded	Early Cretaceous to Early Cretaceous	G13	Tamboon Road Granite	Biotite granite: pinkish, equigranular, felsic; I-type	Early Devonian to Early Devonian
Kstl	Locmany Formation	Sandstone, siltstone, minor conglomerate, coal: sandstones are quartzarenite, sublitharenite, litharenite, very rare lithic arkose and feldsarenite; very fine to medium-grained; generally thick-bedded; cross-bedded; siltstone pale grey to brown, thin-bedded; or dark grey to black, thick-bedded; contains rich fossil flora	Valanginian to Hauterivian	G14	Burglar Gap Granite	Leucocratic granite: pale grey, fine to medium grained, massive; contains biotite and muscovite; I-type	Llandovery to Early Devonian
Kstt	Tyers Conglomerate	Conglomerate, pebbly sandstone, rare siltstone, shale: cobble, minor pebble and occasional boulder conglomerate massive to cross-bedded; variable rounding; low sphericity; polymictic; sandstone very coarse to fine-grained; bedded	Berriasian to Valanginian	G15	Noorinbee Granodiorite	Biotite-hornblende granodiorite: dark greenish grey, coarse grained, weakly to strongly foliated; abundant mafic inclusions: I-type	Early Devonian to Early Devonian
Ksw	Wonthaggi Formation	Lithic volcaniclastic sandstone, arkose, siltstone, minor conglomerate and coal; fluvial	Early Cretaceous to Early Cretaceous	G16	Drummer Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained massive; compositionally zoned with two biotite granite phases; I-type	Early Devonian to Early Devonian
Kxb	Ballark Conglomerate	Conglomerate, minor sandstone: pebble to boulder conglomerate; massive; clasts predominantly of Ordovician sandstone with minor vein quartz pebbles; sandstone medium to coarse-grained; cross-bedded; with occasional pebbles	Early Cretaceous to Early Cretaceous	G17	Derndang Granite	Leucocratic granite: pink, medium grained, massive; minor biotite, rich in K-feldspar	Early Devonian to Early Devonian
Kxi	Cretaceous, intrusive rocks	Basalt, olivine microgabbro; dykes and plugs	Cretaceous to Cretaceous	G18	Yoke Up Creek Granite	Leucocratic granite: pale grey, coarse grained, massive; biotite-poor	Early Devonian to Early Devonian
Mxn	Nekeeya Gravel	Polymictic conglomerate: poorly sorted and unconsolidated; variably rounded clasts of granodiorite and sandstone up to boulder size in a sandstone matrix; auriferous at base	Cretaceous to Neogene	G19	Nungatta Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, weakly foliated; prominent hornblende crystals; plagioclase-rich; I-type	Llandovery to Early Devonian
Jc	Coleraine Volcanic Group	Trachyte and basalt: lava flows, lava domes and laccoliths.	Jurassic to Jurassic	G20	Loomat Granite	Biotite granite: pale pinkish grey, very coarse grained, massive to weakly foliated; prominent K-feldspar crystals to 40 mm long; I-type	Llandovery to Early Devonian
Jcd1	Den Hills Formation - lava flows	Lava flows: trachyte, phonolite; cream to dark grey, fine-grained; small phenocrysts of sanidine locally abundant; common flow foliation	Jurassic to Jurassic	G21	Beehive Granite	Biotite granite: pink, coarse grained, massive except on faulted margin; leucocratic; texturally variable with finer grained and megacrystic areas; I-type	Llandovery to Early Devonian
Jcd2	Den Hills Formation - domes and laccoliths	Domes and laccoliths: trachyte, phonolite and microsyenite; cream to dark grey equigranular to sanidine-phyric. Flow foliation is common; some have random felty texture	Jurassic to Jurassic	G22	Buldah Gap Granodiorite	Hornblende-biotite granodiorite: dark grey, medium to coarse grained, mostly massive; extensive pyritic marginal phase porphyritic in quartz and feldspar, equigranular interior: prominent quartz; rare pyroxene; I-type	Llandovery to Early Devonian
Jch	Hypatia Formation	Flows and plugs of olivine basalt, nephelenite, hawaiiite, basanite, mugearite, ankaramite, microbasalt. Flows are black, vesicular, fine-grained with common small phenocrysts of olivine and pyroxene. Plugs are strongly porphyritic in olivine and pyroxene.	Jurassic to Jurassic	G23	Fiddlers Green Granodiorite	Biotite - minor hornblende granite: pale grey to pink, coarse grained, massive to mylonitic; prominent quartz grains; I-type	Early Devonian to Early Devonian
Jxg	Gallows Hill Phonolite	Phonolite	Jurassic to Early Cretaceous	G24	Weeragua Granodiorite	Biotite-hornblende granodiorite: medium grained, slightly porphritic; I-type	Llandovery to Early Devonian
Jxt	Unnamed trachyte and phonolite plugs and sills	Trachyte and phonolite: grey to light brown, either plain or with diffuse spots; plugs and sills	Jurassic to Early Cretaceous	G25	Cann Mountain Granodiorite	Biotite - minor hornblende granite: pale yellow grey, coarse-grained, massive; prominent quartz; chloritised mafic minerals; I-type	Llandovery to Early Devonian
TRlt	Teapot Creek Formation	Volcanogenic sandstone, conglomerate, breccia: marked variation from place to place; minor trachyte lava	Triassic to Triassic	G26a	Blue Gum Tonalite - mafic phase	Biotite-hornblende tonalite (mafic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
TRxc	Council Trench Formation	Sandstone, conglomerate: cream to brown; sandstone feldspathic; contains conglomerate as lenses to pebble trains; pebbles of dark grey quartz and minor lithic material; fragmentary plant fossils	Triassic to Jurassic	G26b	Blue Gum Tonalite - felsic phase	Biotite-hornblende tonalite (felsic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
Pxb	Bacchus Marsh Formation	Tillite, diamictite, sandstone, mudstone, conglomerate: tillite and diamictite grey; massive to slump-folded; conglomerates range from pebble to boulder size; generally well-rounded; of highly varied lithology; mudstone dark grey to black; thinly bedded to laminated (varved); sedimentary dykes common; contains plant fossils and rare shallow-marine shelly fossils	Carboniferous to Permian	G27	Ino Creek Granodiorite	Biotite-muscovite granodiorite: brownish grey, coarse grained, massive; prominent quartz; includes pods of fine-grained leucocratic muscovite granite and pegmatite	Llandovery to Wenlock
Pxo	Boorhaman Conglomerate	Polymict conglomerate, pebbly sandstone, siltstone; fluvioglacial, marine	Permian to Permian	G28	Tumberluck Diorite	Hornblende diorite: coarse to medium grained, dark green-grey; foliated; I-type	Llandovery to Wenlock
G1	Gabo Island Granite	Biotite-hornblende granite: medium to fine grained; pink; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingsite variety; A-type	Late Devonian to Late Devonian	G29	Sandpatch Point Granite	Granite	Early Devonian to Early Devonian
G2	Howe Range Granite	Biotite-hornblende granite: medium to fine grained; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingsite; A-type	Late Devonian to Late Devonian	G33	Bee Tree Granodiorite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type intrusive	Llandovery to Wenlock
G4	Naghi Granite	Granite: pink to red, medium to fine grained, equigranular; contains biotite and minor hastingsite with rare fluorite; A-type	Late Devonian to Late Devonian	G34	Goonmirk Rocks Granodiorite	Hornblende granodiorite: medium grained, moderately foliated; I-type	Early Devonian to Early Devonian
				G35	Tommy Roundhead Granodiorite	Biotite granodiorite and tonalite: medium grained, porphyritic, grey, variably foliated; contains abundant biotite schist enclaves as well as enclaves of hornblende-biotite diorite; I-type	Llandovery to Wenlock
				G36	Kanuka Granodiorite	Biotite granodiorite and granite: medium-grained; foliated to strongly rodded with compositional banding; I-type	Llandovery to Wenlock
				G37	Ellery Granite	Biotite-amphibole granite: coarse to medium grained, porphyritic	Early Devonian to Early Devonian
				G39	Murrungowar Granite	Biotite-muscovite granite: coarse-grained porphyritic; foliated; contains numerous aligned orthoclase phenocrysts and mafic enclaves	Llandovery to Wenlock

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Code	Name	Description	Age	Code	Name	Description	Age
G40	Enfield Granite	Hornblende-biotite granite: medium-grained; I-type	Wenlock to Wenlock	G83	Penderlea Granite	Granitic rock of uncertain composition: weathered granite and granitic soil	Llandovery to Wenlock
G41	Tarlton Granite	Granite, composition variable: hornblende, biotite and muscovite; medium to coarse-grained; I-type	Silurian to Devonian	G84	Wattle Grove Granite	Muscovite-biotite granite: grey; medium-grained; foliated, margins rich in metasedimentary enclaves	Llandovery to Wenlock
G42	Cape Conran Granite	Granite: composition variable; muscovite, biotite-(hornblende); coarse-grained; mylonitic; I-type	Silurian to Devonian	G85	Mac Creek Granodiorite	Muscovite granite: grey; medium-grained; foliated; deeply weathered; margins rich in metasedimentary enclaves	Llandovery to Wenlock
G43	Mount Raymond Granite	Riebeckite-biotite granite: medium-grained; foliated; I-type intrusive	Early Devonian to Early Devonian	G86	Greggs Granodiorite	Muscovite-biotite granite: grey; medium to coarse grained; with tourmaline, cordierite, garnet, sillimanite; foliated	Llandovery to Wenlock
G44	Orbost Tonalite	Hornblende-biotite tonalite: fine to medium-grained; medium to dark grey; with small enclaves; altered; I-type	Silurian to Devonian	G87	Buckwong Granodiorite	Biotite granodiorite: dark grey; medium-grained; felsic northern phase locally foliated	Llandovery to Wenlock
G45	Jarrahmond Granite	Hornblende-biotite granodiorite: grey-green, medium-grained with some elongate mafic enclaves; I-type	Silurian to Devonian	G87a	Buckwong Granodiorite felsic phase	Felsic phase, locally foliated, pink in radiometrics	Llandovery to Wenlock
G46	Broken Leg Granite	Hornblende-biotite granodiorite: grey-green, medium-grained, weathered; I-type	Silurian to Devonian	G88	Butchers Block Tonalite	Tonalite; magnetic; I-type	Early Devonian to Early Devonian
G47	Feltis Farm Tonalite	Hornblende-biotite tonalite: grey-green; fine to medium-grained; altered; I-type	Silurian to Devonian	G89	Tom Groggin Granite	Granite	Wenlock to Pridoli
G48	Dysentery Tonalite	Hornblende-biotite tonalite: coarse-grained; abundant mafic inclusions; I-type	Silurian to Devonian	G90a	Boebuck Granodiorite - magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; highly to intensely magnetic	Early Devonian to Early Devonian
G49	Brodribb Granodiorite	Biotite granodiorite: medium grained, greyish blue; I-type	Llandovery to Wenlock	G90b	Boebuck Granodiorite - highly magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; intensely magnetic; forms a ring-shaped feature in the magnetic image	Early Devonian to Early Devonian
G50	Goongerah Granodiorite	Hornblende-biotite granodiorite: medium to coarse grained, bluish grey; contains abundant dark enclaves; I-type	Llandovery to Wenlock	G90c	Boebuck Granodiorite - porphyritic diorite phase	Porphyritic diorite: pale pink and beige; medium grained, large phenocrysts of pinkish yellow plagioclase; common blebby enclaves of feldspar porphyry; I-type; highly magnetic	Early Devonian to Early Devonian
G51	Jungle Creek Granodiorite	Biotite granodiorite: coarse grained, pale to greenish grey; I-type	Llandovery to Wenlock	G90d	Boebuck Granodiorite - porphyritic phase	Porphyritic granite: pale pink and beige; medium grained, rich in K-feldspar; nonmagnetic	Early Devonian to Early Devonian
G52	Bonang Granodiorite	Hornblende granodiorite: medium grained; gey; I-type	Llandovery to Wenlock	G91a	Bunroy Hut Granite - moderately magnetic phase	Biotite granite: moderately porphyritic; equant quartz phenocrysts to 10 mm across; I-type; low to moderately magnetic	Wenlock to Pridoli
G53	Woollybutt Quartz Monzodiorite	Actinolite quartz monzodiorite: porphyritic; medium grained; dark green; pyritic; I-type.	Silurian to Devonian	G91b	Bunroy Hut Granite - highly magnetic phase	Biotite granodiorite: grey, medium to coarse grained and equigranular; occasional small ovoid microgranular mafic enclaves; I-type; highly magnetic	Wenlock to Pridoli
G54	Iona Tonalite	Tonalite: medium to fine grained, pale green to pink; moderately foliated	Llandovery to Wenlock	G91c	Bunroy Hut Granite - leucocratic phase	Leucogranite and biotite granite: grey, massive equigranular; I-type; moderately magnetic	Wenlock to Pridoli
G55	Eleven Bob Granodiorite	Hornblende-biotite granodiorite: grey-green, medium-grained extremely weathered where exposed; northern margin is altered; I-type	Silurian to Devonian	G92	Corryong Granite	Two-mica cordierite granite: grey, medium to very coarse grained; equigranular to strongly porphyritic in K-feldspar; locally contains sillimanite or andalusite; S-type;	Wenlock to Pridoli
G56	Double Bull Granodiorite	Hornblende granodiorite: grey-green, coarse-grained, weathered; I-type	Silurian to Devonian	G94	Nariel Granite	Muscovite-biotite granite: leuco- to mesocratic, light yellow-brown, equigranular to weakly porphyritic in feldspar; medium-grained; massive; S-type; nonmagnetic	Wenlock to Pridoli
G57	Bete Bolong Granodiorite	Hornblende granodiorite: grey-green, medium to coarse-grained; I-type	Silurian to Devonian	G95	Wabba Granite	Biotite-muscovite granite: grey, medium to coarse grained; includes both fine grained and coarse grained porphyritic areas; S-type; nonmagnetic	Wenlock to Pridoli
G58	Towzer Creek Granite	Biotite-muscovite-andalusite granodiorite: medium-grained; foliated with numerous schistose enclaves; S-type	Silurian to Devonian	G96	Burrungabugge Granodiorite	Hornblende-biotite granodiorite: dark green, medium-grained; epidote alteration common; highly magnetic	Early Devonian to Early Devonian
G59	Postman Spur Granodiorite	Biotite-cordierite granodiorite: medium grained, abundant inclusions of gneiss and schist; S-type.	Llandovery to Wenlock	G97	Jingellic Tonalite	Hornblende tonalite: medium to dark grey, medium grained; equigranular; foliated; S-type; nonmagnetic; occurs as small pods within Corryong Granite	Middle Ordovician to Middle Ordovician
G60	Rodger River Granodiorite	Biotite-augite granodiorite: slightly K-feldspar phyric; with igneous and sedimentary enclaves; I-type	Silurian to Devonian	G98	Mount Mittamatite Granite	Biotite-rare amphibole granite: pale pink, fine to medium grained; minor fine grained porphyritic granite pods; slightly pervasively altered; highly magnetic	Early Devonian to Middle Devonian
G61	Waratah Flat Granite	Hornblende granite: coarse grained; green.	Silurian to Devonian	G99	Pine Mountain Granite	Biotite leucogranite: pale to deep pink, medium to coarse grained; minor fine grained granite pods; nonmagnetic	Early Devonian to Early Devonian
G62	Bull Run Gap Granite	Felsic biotite granite: fine to medium grained; grey; S-type.	Llandovery to Wenlock	G101	Koetong Granite	Two-mica cordierite granite: bluish grey, coarse grained biotite muscovite granite; mostly equigranular but centre is porphyritic and parts of margins are fine grained; locally abundant metasedimentary enclaves; S-type; nonmagnetic	Ludlow to Lochkovian
G65	Mount McLeod Tonalite	Hornblende tonalite: medium grained, massive; green to grey; I-type	Silurian to Devonian	G102	Thologolong Granite	Leucogranite: pink, coarse grained with slightly finer grained marginal phase; consists of quartz, plagioclase, perthitic K-feldspar and dark brown biotite with accessory muscovite, ilmenite, tourmaline, magnetite, zircon and fluorite; common miarolitic cavities; magnetic	Early Devonian to Middle Devonian
G66	Campbells Knob Granodiorite	Biotite granodiorite: medium grained; pale grey; abundant gneiss and biotite schist enclaves, aplite and Snowy River Volcanic dykes	Llandovery to Wenlock	G103	Granya Granite	Granite: coarse grained, leucocratic; contains quartz, K-feldspar, plagioclase, biotite, muscovite and accessory apatite, zircon, tourmaline and sillimanite; abundant enclaves; S-type	Llandovery to Wenlock
G67	Cabanandra Granodiorite	Biotite granodiorite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock	G105	Adjie Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained; equigranular; minor pale pink K-feldspar; I-type; highly magnetic	Wenlock to Pridoli
G69	Hobbs Granite	Hornblende granite: fine to medium grained; grey; I-type	Llandovery to Wenlock	G106	Charlestown Tonalite	Hornblende-biotite-(pyroxene) quartz diorite: dark bluish to greenish grey; medium-grained	Early Devonian to Early Devonian
G70	Dellicknora Granite	Biotite-cordierite granite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock	G107	Wallaby Granite	Biotite granite: leucocratic; medium-grained; with muscovite, tourmaline and minor garnet; mostly weathered with some small corestones of fresh granite	Llandovery to Wenlock
G71	Amboyne Granodiorite	Biotite-cordierite granodiorite: medium grained; dark grey; abundant inclusions; S-type	Llandovery to Wenlock	G108	Eustace Creek Granodiorite	Hornblende granodiorite, quartz diorite: foliated, medium-grained	Early Devonian to Early Devonian
G73	Gattamurh Granite	Granite: mafic I-type; magnetic	Wenlock to Early Devonian	G109	Dartmouth Granite	Biotite granite, gneissic granite: varies from strongly banded gneiss to homogeneous granite with abundant sedimentary enclaves; various grey colours, medium-grained	Llandovery to Wenlock
G74	Suggan Buggan Granodiorite	Biotite-cordierite granodiorite: coarse grained, quartz phyric; S-type	Llandovery to Wenlock	G110	Banimboola Quartz Monzodiorite	Hornblende-biotite-clinopyroxene quartz monzodiorite, quartz diorite in part: greenish grey, equigranular, medium-grained; intensely magnetic; I-type	Early Devonian to Early Devonian
G76	Chilpin Granodiorite	Biotite granodiorite: very fine to medium grained; S-type	Llandovery to Wenlock	G111	Mount Wills Granite	Muscovite-biotite leucogranite: coarse to fine grained; accessory tourmaline, garnet and topaz; pegmatitic phases common; numerous roof pendants; S-type	Silurian to Silurian
G75	Mowambah Granodiorite	Biotite granodiorite: contains cordierite, sillimanite and accessory monazite, ilmenite and pyrrhotite; common metasedimentary xenoliths; mafic S-type	Wenlock to Wenlock				
G77	Barrabilly Granite	Biotite-cordierite granite, fine to medium grained; dark grey; S-type	Llandovery to Wenlock				
G79	Kimberly Park Granite	Granodiorite: medium-grained, grey, foliated; contains large metasedimentary enclaves	Llandovery to Wenlock				
G80	Hinno Munjie Granite	Biotite granite: grey to pink, medium-grained; foliated; composition variable; numerous metasedimentary enclaves	Llandovery to Wenlock				
G81	Bingo Munjie Quartz Diorite	Hornblende-biotite quartz diorite: medium grained; dark green; epidote alteration; mafic enclaves common	Ludlow to Pragian				
G82	Ludrik Munjie Granite	Biotite-muscovite granite: dark to light grey; medium to coarse-grained; well foliated; high compositional variability: numerous metasedimentary enclaves; generally weathered	Llandovery to Wenlock				

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Code	Name	Description	Age
G113	Post Office Granite	Biotite granite, hornblende-biotite diorite; mainly granite soil: may be felsic phase of Bingo Munjie Quartz Diorite	Early Devonian to Early Devonian
G114	Anglers Rest Granite	Biotite leucogranite: pink; equigranular, medium to coarse grained; minor muscovite and blue-green hornblende locally present; accessories include common allanite and rare sphene, as well as apatite, zircon, magnetite and ilmenite	Early Devonian to Middle Devonian
G115	Taylors Crossing Tonalite	Biotite tonalite: grey; medium-grained; weakly foliated; occasional metasedimentary enclaves	Silurian to Silurian
G116	Lower Tableland Granite	Biotite-cordierite felsic granite: fine to medium-grained	Early Devonian to Early Devonian
G117	Connleys Track Granodiorite	Biotite-muscovite granodiorite: grey; medium-grained; equigranular; massive to moderately foliated	Wenlock to Ludlow
G119	Mountain Maid Granite	Biotite granite: pale grey; fine-grained; equigranular; massive	Llandovery to Wenlock
G120	Marengo Granodiorite	Hornblende-biotite granodiorite: I-type; medium to coarse grained, weakly porphyritic; light grey to light green; with abundant mafic enclaves	Llandovery to Pridoli
G121	Bindi Granodiorite	Biotite granodiorite, granite: pale grey; medium-grained; massive; small biotite-rich enclaves common; enclaves of gneiss locally abundant	Llandovery to Wenlock
G122	Forlorn Hope Granite	Granite: grey, fine to medium-grained; rare diorite. Contains leucogranite zones along northwestern margin and abundant aplite dykes in some places	Llandovery to Wenlock
G123	Mount Nugong Tonalite	Biotite-hornblende-clinopyroxene tonalite: grey; medium-grained; massive; equigranular; clinopyroxene rimmed by hornblende; occasional rounded mafic enclaves	Early Devonian to Early Devonian
G123	Mount Nugong Tonalite granodiorite phase	Granodiorite: medium grained with hornblende and biotite, and rare clinopyroxene; I-type	Early Devonian to Early Devonian
G124	Emu Vale Tonalite	Hornblende-biotite tonalite: grey, altered to pink or green; medium-grained; porphyritic in wafer-thin hornblende which defines weak magmatic foliation	Early Devonian to Early Devonian
G125	Nunniong Granodiorite	Biotite-cordierite granodiorite: grey; fine to medium-grained; massive to foliated; abundant gneissic enclaves in north, west and southwest	Silurian to Devonian
G126	Mount Elizabeth Granodiorite	Hornblende-biotite granodiorite: green-grey; fine-grained; with acicular to tabular hornblende	Early Devonian to Early Devonian
G127	Mellick Munjie Granodiorite	Biotite-cordierite granodiorite: pale grey, coarse-medium grained; minor cordierite; S-type	Llandovery to Wenlock
G128	Reedy Flat Tonalite	Biotite-hornblende tonalite/granodiorite: pale grey; medium-grained; porphyritic in hornblende; weak magmatic foliation; microgranitoid enclaves	Early Devonian to Early Devonian
G129	Kenny Creek Diorite	Hornblende diorite: medium-grained, leucocratic fine-grained granodiorite in southern portion; I-type intrusive	Llandovery to Wenlock
G130	Colquhoun Granite	Biotite granite: coarse to medium-grained, pink	Early Devonian to Middle Devonian
G131	Sarsfield Granite	Biotite-muscovite leucogranite: fine to medium grained, cream-white; S-type	Late Devonian to Late Devonian
G132	Mount Taylor Granite	Cordierite-garnet granite porphyry: coarsely K-feldspar phyric, mid-grey; S-type	Late Devonian to Late Devonian
G133	Saint Patricks Creek Granite	Biotite granite: pale pink; medium to fine-grained	Early Devonian to Early Devonian
G134	Tambo Crossing Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; porphyritic in hornblende; weakly to moderately foliated	Ludlow to Early Devonian
G135	Connors Creek Tonalite	Biotite-hornblende tonalite: medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
G136	Old Sheep Station Granodiorite	Biotite granodiorite: grey; medium to coarse-grained; foliated, with rare hornfels and mafic igneous enclaves	Early Devonian to Early Devonian
G137	Rileys Creek Granodiorite	Biotite-hornblende granodiorite, tonalite: grey; medium to coarse-grained; locally porphyritic in plagioclase; strongly foliated; abundant dark stretched quartz diorite and megacrystic tonalite enclaves give rock a migmatitic appearance	Early Devonian to Early Devonian
G139	Mount Baldhead Granodiorite	Biotite granodiorite: pale to mid-grey; coarse-grained; homogeneous; rare mafic enclaves	Early Devonian to Early Devonian
G140	Dargo Tonalite - tonalite phase	Biotite-hornblende tonalite: grey, medium-grained, equigranular to porphyritic in hornblende, massive.	Early Devonian to Early Devonian
G140	Dargo Tonalite - granite phase	Granite: grey, medium-grained, equigranular to porphyritic in K-feldspar; massive.	Early Devonian to Early Devonian
G141	Mount Blomford Granite	Pink granite: coarse-grained; contains altered biotite, which was probably red-brown originally, and micaceous aggregates after cordierite.	Early Devonian to Early Devonian
G142	Castleburn Granite	Biotite granite: grey, medium-grained, equigranular, massive	Silurian to Devonian
G143	Mungobabba Tonalite	Biotite tonalite: grey; medium-grained; equigranular; massive	Early Devonian to Early Devonian
G145	Livingstone Creek Tonalite	Biotite tonalite: grey; medium-grained equigranular; weakly foliated; zones of chlorite-epidote alteration	Early Devonian to Early Devonian
Code	Name	Description	Age
G146	Polar Star Tonalite	Biotite tonalite: grey; medium-grained; equigranular; minor porphyritic fine-grained tonalite; moderately to strongly foliated	Early Devonian to Early Devonian
G147	Dry Hill Granodiorite	Biotite granodiorite: grey; medium-grained; massive to strongly foliated; minor fine-grained granodiorite enclaves; local intense chlorite-hematite alteration	Early Devonian to Early Devonian
G148	Hallets Road Tonalite	Biotite tonalite: grey; medium-grained equigranular; massive to weakly foliated; rare small microgranitoid enclaves; local intense chlorite-hematite alteration	Early Devonian to Early Devonian
G149	Bald Hills Creek Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; equigranular; porphyritic in euhedral hornblende; rare microgranitoid enclaves; patchy chlorite, epidote and hematite alteration	Early Devonian to Early Devonian
G150	Simmonds Gap Granite	Biotite granite: grey to pinkish-grey, leucocratic, medium- to fine-grained, varies from equigranular to porphyritic with phenocrysts of pink orthoclase; I type	Early Devonian to Early Devonian
G151	East Kiewa Granodiorite	Biotite granodiorite: grey, medium grained, equigranular; some muscovite-bearing phases; I-type	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - quartz diorite phase	Hornblende-biotite quartz diorite: grey; coarse grained; equigranular; I-type.	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - tonalite phase	Biotite tonalite; grey, medium grained; equigranular.	Early Devonian to Early Devonian
G153	Niggerheads Granodiorite	Biotite granodiorite: medium-coarse grained; I-type	Early Devonian to Early Devonian
G154	Pretty Valley Tonalite	Biotite tonalite: coarse grained, equigranular with minor hornblende; gneissic; abundant aplite and pegmatite dykes and migmatite enclaves; I-type	Silurian to Silurian
G156	Timms Spur Leucogranite	Muscovite-biotite leucogranite: medium grained; equigranular; non-magnetic; S-type	Silurian to Silurian
G158	Mount Selwyn Granite	Biotite granodiorite with some tonalite and quartz diorite; hornblende present in most rock types.	Early Devonian to Early Devonian
G159	Barry Mountains Granite	Granitic rock; highly magnetic	Early Devonian to Early Devonian
G160	Mount Angus Granodiorite	Biotite-hornblende granodiorite: grey; medium-grained; equigranular; rare microgranitoid enclaves	Early Devonian to Early Devonian
G161	Mount Buffalo Granite	Biotite-muscovite leucogranite: grey to pinkish grey; coarse-grained, mostly equigranular; some porphyritic phases with orthoclase phenocrysts	Early Devonian to Early Devonian
G162	Mount Emu Granodiorite	Biotite-hornblende granite, granodiorite, tonalite: grey; coarse-grained; porphyritic, with phenocrysts of plagioclase, quartz, rare orthoclase; fine-grained near the margin	Early Devonian to Early Devonian
G164	Carruno Tonalite	Biotite tonalite: grey; medium grained; equigranular; I-type	Early Devonian to Early Devonian
G165	Nowyeo Granite	Muscovite-biotite leucogranite: variable from fine grained and equigranular to coarse feldspar-phyric; alteration common; metamorphosed; weak foliation; S-type	Silurian to Silurian
G166	Wollonaby Granite	Biotite granite: grey; medium grained; equigranular; pervasive mylonitic fabric, commonly S-C fabric; non magnetic; I-type	Llandovery to Pridoli
G167	Dinner Plain Tonalite	Biotite tonalite: light grey, medium to coarse-grained, equigranular; unfoliated; variably magnetic.	Early Devonian to Early Devonian
G168	Bundara Tonalite	Biotite tonalite: grey; coarse to medium grained; equigranular; biotite-rich, hornblende occurs locally; minor enclaves; includes minor granodiorite types with orthoclase and no hornblende; foliated; I-type	Silurian to Silurian
G169	Dederang Granite	Muscovite-biotite granite: grey; equigranular; medium grained; much of it is foliated and mylonitized by the Kiewa Shear Zone	Silurian to Early Devonian
G170	Boorgunyah Granite	Muscovite-biotite leucogranite: medium-grained, equigranular with clots of biotite-muscovite up to 2 cm; weakly foliated; S-type	Silurian to Silurian
G172	Yabba Granite	Biotite-muscovite granite: weakly to strongly foliated; consists of quartz, perthitic K-feldspar, plagioclase, red-brown biotite and muscovite, with accessory cordierite and sillimanite; abundant metasedimentary enclaves; S-type	Llandovery to Wenlock
G172	Yabba Granite aplitic phase	Aplite and pegmatite	Llandovery to Wenlock
G172	Yabba Granite gneissic phase	Gneissic granite; common enclaves of migmatitic gneiss	Llandovery to Wenlock
G174	Bellbridge Granite	Biotite granite: weakly foliated, medium to coarse grained, with orthoclase phenocrysts up to 3 cm and biotite schlieren; S-type	Ludlow to Pridoli
G175	Bethanga Gneissic Granite	Coarse grained, well foliated, heterogeneous cordierite-garnet granite; contains quartz, perthitic K-feldspar, poorly zoned plagioclase, reddish-brown biotite, muscovite, cordierite, garnet and accessory zircon, apatite, ilmenite and sillimanite; common enclaves of migmatite and lensoid biotite-rich enclaves; S-type	Ludlow to Pridoli
G176	Baranduda Granite	Biotite-muscovite granite: grey, medium grained, equigranular	Early Devonian to Early Devonian
G177	Yackandandah Granite Porphyritic Phase	Biotite-hornblende granite: grey; coarse-grained; porphyritic with phenocrysts of K-feldspar commonly aligned to form a flow fabric; rare ovoid microdiorite enclaves; gradational boundary with G177b	Early Devonian to Early Devonian
G177	Yackandandah Granite Equigranular Phase	Biotite granite: grey leucocratic; medium to fine-grained; equigranular; gradational boundary with G177a	Early Devonian to Early Devonian

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Code	Name	Description	Age	Code	Name	Description	Age
G180	Kergunyah Granite	Leucocratic two-mica granite: coarse grained; S-type	Early Devonian to Early Devonian	G216	Barjarg Granite	Dark orange biotite-cordierite granite with minor muscovite; fine to coarse grained; even grained to porphyritic - the latter contains large garnet phenocrysts in addition to plagioclase phenocrysts; accessory tourmaline and garnet; very weakly magnetic to non-magnetic	Late Devonian to Late Devonian
G182	Barnawartha Gneissic Granodiorite	Granodiorite: foliated, medium grained, biotite-rich; interleaving boundary with gneiss country rock; pegmatite dykes common	Llandovery to Pridoli	G217	Strathbogie Granite	Coarse-grained porphyritic biotite-cordierite granite with minor garnet; K-feldspar phenocrysts to 50 mm across, with less common quartz phenocrysts to 10 mm across and garnet and cordierite up to 20 mm across; tourmaline aggregates locally present.	Late Devonian to Late Devonian
G183	Mount Stanley Granite	Biotite granite: pinkish, medium grained, equigranular	Early Devonian to Early Devonian	G217	Strathbogie Granite aplite phase	Massive grey aplite, quartz-feldspar-biotite with some cordierite; black tourmaline-rich nodules present locally.	Late Devonian to Late Devonian
G184	Mount Stirling Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian	G219	King Parrot Creek Granodiorite	Biotite granodiorite: grey, medium grained, equigranular to porphyritic with K-feldspar phenocrysts 5 - 20 mm across; rare small biotite-rich enclaves; S-type	Late Devonian to Late Devonian
G185	Changue East Diorite	Diorite, gabbro: medium grained, dark green-grey	Middle Devonian to Middle Devonian	G220	Flowerdale Granodiorite	Biotite-muscovite granodiorite: fine-grained, grey; consists of quartz, andesine-oligoclase, orthoclase, dark brown biotite, muscovite and ilmenite.	Late Devonian to Late Devonian
G186	Mirimbah Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian	G221	Mount Disappointment Granodiorite	Biotite granodiorite: medium grained, equigranular; consists of quartz, oligoclase, orthoclase, biotite and accessory zircon, ilmenite and apatite; occasional xenoliths	Late Devonian to Late Devonian
G189	High Tops Tonalite	Biotite tonalite: pale cream; medium-grained, equigranular; weak magmatic alignment of biotite; magnetic.	Early Devonian to Early Devonian	G221	Mount Disappointment Granodiorite-porphyritic phase	Biotite granodiorite, porphyritic with phenocrysts of perthitic orthoclase to 5 cm in a medium-grained groundmass of quartz, oligoclase, orthoclase and biotite with accessory apatite; common microgranitoid enclaves.	Late Devonian to Late Devonian
G190	Demon Ridge Andesite Porphyry	Andesite porphyry: abundant phenocrysts of hornblende, glomerocrysts of plagioclase, rare quartz in a fine-grained recrystallised granoblastic groundmass of biotite, feldspar and quartz; hornblende partly replaced by actinolite and biotite	Silurian to Devonian	G223	Black Range Granodiorite	Biotite granodiorite: generally porphyritic, biotite-bearing with occasional almandine, hypersthene and sillimanite; minor porphyritic microgranodiorite, aplite and pegmatite; S-type	Late Devonian to Late Devonian
G191	Nelson Creek Granite	Granite: equigranular, interlocking grains of quartz and rosettes of hydrothermal muscovite; feldspar replaced by masses of sericite and hematite; biotite by chlorite and sericite	Silurian to Devonian	G224	Buxton Granodiorite	Biotite-garnet granodiorite and porphyry: greenish-grey; coarse-grained; porphyritic; in some places quartz-feldspar-garnet porphyry with same composition	Late Devonian to Late Devonian
G192	Shippen Gully Porphyry	Quartz-feldspar porphyry: strongly porphyritic; phenocrysts of quartz, plagioclase, perthitic orthoclase, biotite and garnet in a fine-grained granoblastic groundmass of quartz, plagioclase and orthoclase; occasional cordierite	Devonian to Devonian	G225	Keppel Creek Granodiorite	Microgranodiorite: medium to fine grained; saccharoidal, porphyritic	Late Devonian to Late Devonian
G193	Woolshed Valley Granite	Biotite-muscovite granite: coarse phenocrysts of K-feldspar, plagioclase and quartz; K-feldspar shows plagioclase overgrowths and granophyric texture with quartz	Late Devonian to Late Devonian	G226	Toole-Be-Wong Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths; S-type	Late Devonian to Late Devonian
G194	Morilla Granite	Biotite granite: coarse grained, slightly porphyritic in pink K-feldspar, plagioclase and quartz; accessory allanite, topaz, ilmenite, magnetite, sphene and monazite	Late Devonian to Late Devonian	G227	Mount Stinton Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths	Late Devonian to Late Devonian
G195	Beechworth Granite	Leucocratic biotite granite: medium grained, equigranular; accessory muscovite	Late Devonian to Late Devonian	G229	Mount Robertson Diorite	Quartz-enstatite diorite: medium to fine-grained; mesocratic slightly greenish; andesine with occasionally zoned augite and enstatite; some alteration of enstatite to horblende; interstitial cloudy orthoclase and quartz.	Late Devonian to Late Devonian
G196	Golden Ball Granite	Leucocratic biotite granite: medium grained; accesory muscovite, fluorite, topaz, ilmenite and zircon; I-type	Late Devonian to Late Devonian	G230	Kelfeera Granite	Biotite granite: medium grained slightly porphyritic	Late Devonian to Late Devonian
G197	Byawatha Granite	Fine-grained to aplitic granite	Late Devonian to Late Devonian	G235	Warburton Granodiorite	Biotite granodiorite: fine grained, equigranular; medium grey	Late Devonian to Late Devonian
G198	Everton Granodiorite	Hornblende-biotite granodiorite: fine-grained, pink K-feldspar phenocrysts, accessory magnetite, allanite, sphene, apatite, zircon and fluorite	Late Devonian to Late Devonian	G236	Baw Baw Granodiorite	Biotite-hornblende granodiorite: bluish grey; medium-grained; equigranular; small microgranitoid enclaves common	Late Devonian to Late Devonian
G199	Murmungee Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, equigranular with accessory magnetite, sphene, allanite and pyroxene; marginal leucocratic granite; I-type; highly magnetic.	Late Devonian to Late Devonian	G237	Tanjil Granodiorite	Granodiorite: medium grained, equigranular, hornblende-bearing	Late Devonian to Late Devonian
G200	Lurg Granite	Fractionated granite; fine to medium grained porphyritic phases and coarse-grained phases; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian	G239	Tynong Granite	Biotite granite: medium grained, porphyritic; pale grey	Late Devonian to Late Devonian
G201	Kelly Gap Granite	Biotite granite: fine to medium grained, mid grey; fractionated; porphyritic; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian	G240	Silvan Granodiorite	Biotite granodiorite porphyry	Late Devonian to Late Devonian
G202	Glenrowan Granite	Biotite granite: fine grained, sugary, grey-brown; extensive hydrothermal alteration; I-type.	Late Devonian to Late Devonian	G241	Lysterfield Granodiorite	Biotite-hornblende granodiorite: grey, medium grained, containing quartz, plagioclase, orthoclase, biotite, minor hornblende, accessory apatite, ilmenite, allanite, sphene, tourmaline and zircon	Late Devonian to Late Devonian
G203	Warby Springs Granite	Biotite-cordierite granite: grey, medium grained; slightly porphyritic in K-feldspar, has minor garnet; S-type; nonmagnetic.	Late Devonian to Late Devonian	G251	Cliffy Island Granite	Granite, S-type	Middle Devonian to Middle Devonian
G204	Taminick Gap Granite	Biotite granite: very coarse grained, pale grey; S-type	Late Devonian to Late Devonian	G252	Kanowna Island Granite	Granite, S-type	Middle Devonian to Middle Devonian
G205	Mount Bruno Granite	Biotite-muscovite granite with accessory garnet, evenly medium grained to porphyritic, pale grey	Late Devonian to Late Devonian	G253	Glennie Granite	Cordierite-biotite granite: coarse grained, subequigranular; S-type	Middle Devonian to Middle Devonian
G206	Killawarra Granite	Biotite granite: medium grained, pale grey; S-type.	Late Devonian to Late Devonian	G254	Yanakie Granite	Granite, S-type	Middle Devonian to Middle Devonian
G207	Almonds Granite	Biotite granite; coarse grained and porphyritic with K-feldspar phenocrysts to 15 mm; contains cordierite and accessory fluorite; S-type	Late Devonian to Late Devonian	G255	Mount Norgate Granite	Granite, S-type	Middle Devonian to Middle Devonian
G208	Youarang Granite	Biotite-cordierite granite: coarse-grained, porphyritic in both feldspars (K-feldspar to 40 mm, plagioclase to 30 mm), with miarolitic cavities and abundant tourmaline nodules	Late Devonian to Late Devonian	G256	Lilly Pilly Granite	Granite: red-brown biotite is ubiquitous and garnet is prominent in some rocks; S-type	Middle Devonian to Middle Devonian
G209	Camview Granite	Biotite granite: varies from evenly medium grained to coarse grained and weakly porphyritic in both feldspars; tourmaline is present, both disseminated and in nodules.	Late Devonian to Late Devonian	G257	Mount Singapore Granite	Cordierite-biotite granite: medium to coarse grained, creamy grey; contains red-brown biotite and garnet; S-type	Middle Devonian to Middle Devonian
G210	Bungeet West Granite	Equigranular medium-grained, pinkish biotite granite with vermiculite, indicating some hydrothermal alteration; accessory muscovite, flourite.	Late Devonian to Late Devonian	G258	Sealers Cove Granite	Cordierite-biotite granite: fine grained to porphyritic; S-type	Middle Devonian to Middle Devonian
G211	Chesney Vale Granite	Small intrusions of fine to medium-grained pinkish granophyre, contains tourmaline nodules; consists of quartz, plagioclase, K-feldspar, biotite, zircon, tourmaline, opaques.	Late Devonian to Late Devonian	G259	Vereker Granite	Leucocratic granite: medium to coarse grained; with garnet and cordierite; S-type	Middle Devonian to Middle Devonian
G215	Moorngag Granite	Biotite granite, porphyritic with K-feldspar phenocrysts in a fine to medium grained groundmass of quartz, orthoclase, plagioclase, biotite and rare muscovite.	Late Devonian to Late Devonian	G260	Wilsons Promontory Granite	Biotite granite: coarse grained, porphyritic; with some garnet; S-type.	Middle Devonian to Middle Devonian

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Code	Name	Description	Age
G261	Woolamai Granite	Biotite granite: pink coarse-grained leucocratic; contains quartz, perthite, oligoclase, biotite and accessory apatite and zircon; veins of aplite and pegmatite present locally	Late Devonian to Late Devonian
G262	Dromana Granite	Biotite granite: greenish, medium-grained, equigranular granite containing quartz, greenish orthoclase, perthite, oligoclase and biotite with accessory sphene, zircon, ilmenite and apatite; intruded by dykes of porphyry and aplite.	Late Devonian to Late Devonian
G263	Mount Martha Granodiorite	Biotite granodiorite: grey, medium grained; consists of quartz, oligoclase, orthoclase (including microperthite), biotite and minor hornblende; I-type	Late Devonian to Late Devonian
G264	Mount Eliza Granodiorite	Biotite granodiorite: grey, equigranular; contains quartz, plagioclase, orthoclase, biotite, minor hornblende and accessory sphene, allanite and ilmenite; I-type	Late Devonian to Late Devonian
G275	Morang Granodiorite	Biotite granodiorite with rare hornblende: equigranular with a coarse porphyritic marginal phase	Late Devonian to Late Devonian
G276	Bulla Granodiorite	Biotite-cordierite granodiorite and granite: coarse-grained; minor garnet	Late Devonian to Late Devonian
G277	You Yangs Granite	Hornblende granite: coarse grained, K-feldspar phyric; I-type.	Late Devonian to Late Devonian
G279	Ingliston Granite	Biotite granite: grey; medium to coarse-grained; dykes of quartz porphyry and feldspar porphyry	Late Devonian to Late Devonian
G280	Mount Egerton Granodiorite	Biotite granodiorite: pale grey; fine to coarse-grained, occasionally feldspar-phyric; mafic microgranular enclaves and mineral clots; nonmagnetic; fresh to kaolinised	Late Devonian to Late Devonian
G281	Rainy Creek Porphyry	Orthopyroxene-plagioclase-biotite porphyry: fine to medium grained porphyry with phenocrysts of plagioclase and orthopyroxene set in an aphanitic groundmass; magnetic S-type intrusion.	Late Devonian to Late Devonian
G282	Barringo Granodiorite	Biotite granodiorite and granite: mid- to dark grey; medium to fine-grained	Late Devonian to Late Devonian
G283	Pyalong Granite	Biotite granite: pale grey; coarse-grained; strongly porphyritic with large K-feldspar phenocrysts; S-type	Late Devonian to Late Devonian
G284	Baynton Granodiorite	Quartz-feldspar-biotite granodiorite: medium grained, equigranular granodiorite with numerous xenoliths of both sedimentary and igneous origin; nonmagnetic I-type	Late Devonian to Late Devonian
G284	Baynton Granodiorite-porphyritic phase	Quartz-feldspar-biotite granodiorite with minor hornblende and euhedral phenocrysts of plagioclase and K-feldspar up to 20 mm long; locally with large crystals of biotite; numerous sedimentary and igneous enclaves; nonmagnetic I-type.	Late Devonian to Late Devonian
G285	Beauvallet Granodiorite	Biotite-hornblende granodiorite: mid-grey; medium-grained equigranular to porphyritic with K-feldspar phenocrysts	Late Devonian to Late Devonian
G286	Commissioners Flat Granodiorite	Hornblende-biotite granodiorite: fine- to medium-grained, equigranular; leucocratic; contains alteration assemblage of albite, chlorite and sericite.	Late Devonian to Late Devonian
G287	Glenaroua Microgranite	Porphyritic biotite microgranite with phenocrysts of quartz, orthoclase, oligoclase and biotite in a fine grained groundmass of the same minerals; S-type.	Late Devonian to Late Devonian
G288	Mount Black Granite	Biotite granite: nonmagnetic, medium grained, equigranular; composed of quartz, alkali feldspar, plagioclase and biotite; S-type	Late Devonian to Late Devonian
G289	Crosbie Granite	Biotite granite: medium- to coarse-grained, equigranular; composed of quartz, orthoclase, plagioclase and biotite	Late Devonian to Late Devonian
G290	Harcourt Granodiorite	Biotite granodiorite: medium grained, pale grey; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; numerous enclaves; nonmagnetic; reduced; I-type	Late Devonian to Late Devonian
G291	Metcalfe Granite	Biotite granite: pale grey, medium to coarse grained; commonly strongly porphyritic in K-feldspar; numerous metasedimentary enclaves and leucocratic dykes; nonmagnetic	Late Devonian to Late Devonian
G293	Baringhup Granodiorite	Biotite granodiorite; fine to medium grained, grey; slightly porphyritic; leucocratic, minor mafic enclaves: magnetic oxidised I-type	Late Devonian to Late Devonian
G295	Pyramid Hill Granite	Leucocratic biotite-muscovite granite, with accessory apatite, zircon, garnet, andalusite, ilmenite and pyrite; coarse-grained, porphyritic with orthoclase phenocrysts; S-type.	Late Devonian to Late Devonian
G296	Erindale Granite	Leucogranite: nonmagnetic; medium-grained, equigranular; consists of quartz, muscovite pseudomorphing biotite, sericite.	Late Devonian to Late Devonian
G297	Colbinabbin Diorite	Quartz diorite: grey-green; fine- to medium-grained; subophitic growths of plagioclase and augite, with hornblende commonly replacing augite	Cambrian to Cambrian
G305	Illoura Granodiorite	Coarse grained equigranular hornblende biotite granodiorite and porphyritic biotite granite with phenocrysts of K-feldspar, plagioclase and quartz; pale pinkish grey; mafic clots and enclaves abundant in the granodiorite.	Late Devonian to Late Devonian
G307	Tiac Granite	Coarse-grained equigranular biotite granite; cream coloured.	Late Devonian to Late Devonian
G308	Mount Bute Granite	Hornblende biotite granite: medium to coarse grained, pale grey; mafic enclaves and host-rock inclusions; aplite dykes; weathered to kaolinised, magnetic.	Middle Devonian to Late Devonian
G310	Chepstowe Granodiorite	Biotite granodiorite: medium to coarse grained, pale pinkish-grey; oxidised mafic I-type; magnetic.	Middle Devonian to Late Devonian
G311	Trawalla Granite	Biotite granite: cream to pink, felsic, porphyritic; dominated by mildly perthitic K-feldspar crystals up to 25mm	Middle Devonian to Late Devonian

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G312	Ercildoun Granite	Biotite granite: medium grained; commonly porphyritic in quartz, plagioclase and K-feldspar; leucocratic; nonmagnetic reduced	Late Devonian to Late Devonian
G315	Tullaroop Granodiorite	Biotite +/- hornblende granodiorite: medium grained; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; nonmagnetic phase at surface intruded by a magnetic phase at depth; nonmagnetic phase reduced to oxidised; I-type	Late Devonian to Late Devonian
G321	Lake Boga Granite	Alkali-feldspar muscovite-biotite granite, aplite and pegmatite; non-magnetic; fractionated; porphyritic, S-type; abundant miarolitic cavities and muscovite and tourmaline segregations; accessory minerals include apatite, zircon, monazite-series minerals, primary uranium+REE-bearing phosphates and oxides and primary copper sulfides. Miarolitic cavities are lined with quartz, microcline and albite.	Early Devonian to Late Devonian
G322	Korong Creek Tonalite	Hornblende tonalite: porphyritic in plagioclase; magnetic	Early Devonian to Early Devonian
G332	Wycheproof Granite	Biotite-muscovite granite: coarse grained, pale grey	Early Devonian to Middle Devonian
G333	Hemleys Granite	Biotite-muscovite granite: coarse grained; I-type	Early Devonian to Middle Devonian
G334	Jeffcott Granite	Leucocratic garnet-muscovite granite: medium to coarse grained	Early Devonian to Middle Devonian
G335	Teddywaddy Granite	Biotite-muscovite granite: coarse to medium porphyritic; contains small mafic enclaves; S-type; nonmagnetic	Early Devonian to Middle Devonian
G336	Buckrabanyule Granite	Cordierite granite: medium grained; contains enclaves of schistose hornfels and feldspar porphyry; S-type; nonmagnetic	Early Devonian to Middle Devonian
G337	Mount Egbert Granite	Biotite granite: medium grained; S-type; nonmagnetic with subsurface weakly magnetic phase	Early Devonian to Early Devonian
G338	Wescotts Granite	Leucocratic granite: medium to coarse grained; very poorly exposed	Early Devonian to Middle Devonian
G339	Grieves Granite	Biotite hornblende granite: medium grained; I-type; nonmagnetic.	Early Devonian to Early Devonian
G340	Barrakee Granite	Cordierite-biotite granite: S-type, reduced; pale grey, medium grained	Early Devonian to Middle Devonian
G345	Wedderburn Granodiorite	Biotite and biotite-hornblende granodiorite: porphyritic; marginal outcrops contain enclaves of feldspar-hornblende porphyry; nonmagnetic inner phase surrounded by magnetic phase	Early Devonian to Early Devonian
G347	Kooyoora Granite	Biotite-hornblende-muscovite granite: mostly evenly coarse grained, locally porphyritic; mafic enclaves; pegmatite and aplite dykes; nonmagnetic	Early Devonian to Early Devonian
G347	Kooyoora Granite - aplitic phase	Aplite	Early Devonian to Early Devonian
G350	Moliagul Granodiorite	Granodiorite: slightly porphyritic, felsic, minor biotite, molybdenite-bearing quartz veins	Early Devonian to Early Devonian
G351	Tarnagulla Granodiorite	Hornblende-biotite granodiorite: medium grained; minor pegmatite and aplite; variably magnetic	Early Devonian to Early Devonian
G353	Bealiba Granodiorite	Biotite granodiorite: coarse grained, marginal strongly porphyritic phase contains K-feldspar up to 2 cm; local porphyritic microgranodiorite; includes pegmatite and aplite; local hydrothermal alteration: I-type	Early Devonian to Early Devonian
G354	Natte Yallock Granite	Biotite-hornblende tonalite; medium grained, equigranular; includes hornblende-biotite-orthopyroxene-quartz diorite enclaves; magnetic, oxidised	Early Devonian to Middle Devonian
G356	Carapoee Granodiorite	Biotite granodiorite: variable texture and composition from medium grained granite to porphyritic granodiorite with large anhedral to subhedral weakly perthitic K-feldspar grains ~10 mm across.	Early Devonian to Early Devonian
G357	Kooreh Granite	Granite: non-magnetic; deeply weathered	Early Devonian to Early Devonian
G358	Berrimal Granite	Biotite-hornblende granite: medium grained, biotite-hornblende intergrowths: I-type; weakly magnetic; intensely weathered to relict quartz grains in a kaolinite matrix.	Early Devonian to Middle Devonian
G359	Coonooer Granite	Muscovite-biotite granite: pale grey to pink, weakly porphyritic, coarse to fine grained phases, aplite and pegmatite present; muscovite > biotite and microcline > plagioclase, granoblastic texture, weak flow foliation in places; S-type; reduced; nonmagnetic core and weakly magnetic rim.	Early Devonian to Middle Devonian
G360	Aughaderry Tonalite	Hornblende tonalite: fine grained, yellowish grey; weakly porphyritic in plagioclase; abundant cordierite hornfels xenoliths; I-type; strongly magnetic	Early Devonian to Early Devonian
G361	Richmond Granite	Biotite granite: I-type, oxidised; fine grained pink to white; some small pegmatite veinlets	Early Devonian to Middle Devonian
G362	Yeungroon Granite	Leucocratic granite: S-type, reduced, pale cream to grey; coarse grained, porphyritic; plagioclase crystals to 3 cm in length; rare muscovite-rich enclaves to 5 cm diameter	Early Devonian to Middle Devonian
G363	Wychitella Granite	Biotite granite: I-type, oxidised; medium grained pinkish grey, with rare mafic enclaves	Early Devonian to Middle Devonian
G365	Tailor Creek Tonalite	Hornblende tonalite: mafic; medium to coarse grained: light green to dark greenish grey; speckled appearance; some parts very rich in hornblende.	Early Devonian to Early Devonian
G367	Powncebys Tonalite	Biotite-hornblende tonalite: mafic; grey speckled appearance; medium grained; pronounced magmatic flow banding defined by elongate feldspar crystals	Early Devonian to Early Devonian

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G368	Ben Major Granite	Hornblende-biotite granite: pale grey, medium grained	Early Devonian to Early Devonian
G370	Lexton Granodiorite	Hornblende-biotite granodiorite: pale grey to pink, medium grained; with accessory magnetite; fractionated, pale cream, fine grained, foliated phase forms Granite Hill	Early Devonian to Early Devonian
G371	Mount Lonarch Granite	Hornbende-biotite granite: pale grey, fine to medium grained	Early Devonian to Early Devonian
G372	Glenlogie Granodiorite	Hornblende-biotite granodiorite: mafic; speckled grey; medium to coarse grained; strongly kaolinised in places, with limonite and goethite staining	Early Devonian to Early Devonian
G373	Elmhurst Granite	Biotite granite: pale grey; felsic; fine to medium grained	Early Devonian to Early Devonian
G374	Ben Nevis Granite	Biotite granite: pale grey to cream, porphyritic; dykes, pegmatite and quartz veins prevalent; small miarolitic cavities	Early Devonian to Early Devonian
G375	Eversley Granite	Biotite granodiorite: pale grey; medium grained; felsic; slightly porphyritic; outer biotite-rich parts are highly weathered	Early Devonian to Early Devonian
G376	Langi Ghiran Granite	Biotite granite: highly fractionated; light grey; medium grained; equigranular	Early Devonian to Early Devonian
G377	Buangor Granite	Hornblende-biotite granite: pale grey to pink; speckled appearance; porphyritic texture, with phenocrysts of perthitic K-feldspar; granophyric intergrowths common; rare mafic clots of hornblende and biotite	Early Devonian to Early Devonian
G378	Mount Cole Granite	Hornblende-biotite granite: pale pink to grey; coarse grained; porphyritic	Early Devonian to Early Devonian
G379	Stawell Granite	Hornblende-biotite granite: pale; medium to coarse grained; occasional diorite, granodiorite and hornfels xenoliths; weakly foliated; oxidised, I-type, moderately magnetic	Early Devonian to Early Devonian
G380	Ararat Granodiorite	Hornblende-biotite granodiorite: pale grey; porphyritic; equigranular; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; oxidised, I-type, moderately magnetic	Early Devonian to Middle Devonian
G381	Burrumbeep Granodiorite	Hornblende-biotite granodiorite: pale grey; porphyritic; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; contact metamorphosed by enclosing Ararat Granodiorite; oxidised, I-type, very weakly to non-magnetic	Early Devonian to Middle Devonian
G383	Dunneworthy Granodiorite	Biotite granodiorite: pale grey; medium grained; strongly kaolinised in places	Early Devonian to Early Devonian
G384	Hickman Creek Granite	Biotite granite: felsic; pink to pale grey; coarse and even grained; small pegmatitic patches	Early Devonian to Early Devonian
G385	Ballyrogan Granite	Biotite-muscovite granite: pale cream, felsic, fine grained; granophyric intergrowths between quartz and feldspar; aggregates of muscovite and of tourmaline scattered throughout; trace amounts of garnet	Early Devonian to Early Devonian
G386	Curtis Diorite	Hornblende-biotite diorite: dark grey to black; quartz poor; feldspar and hornblende phenocrysts; oxidised, highly magnetic	Early Devonian to Early Devonian
G387	Two Eyed Creek Granodiorite	Hornblende-biotite granodiorite: grey; medium to coarse grained; numerous quartz diorite, biotite granodiorite and country rock xenoliths; strongly foliated in part; occasional small miarolitic cavities; reduced; I-type, nonmagnetic	Early Devonian to Early Devonian
G388	Bulgana Diorite	Biotite-hornblende-quartz diorite: dark grey, fine grained; numerous darker diorite xenoliths; oxidised, highly magnetic	Early Devonian to Early Devonian
G389	White Rabbit Diorite	Biotite-hornblende-quartz diorite: pale grey; medium grained; contains pyroxene; oxidised, highly magnetic	Early Devonian to Early Devonian
G38a	Arte Gabbro - gabbro phase	Hornblende gabbronorite: coarse-grained; highly magnetic; I-type	Wenlock to Wenlock
G38b	Arte Gabbro - hornblende gabbro phase	Hornblende gabbro; medium grained, some with a tectonic foliation; I-type	Wenlock to Wenlock
G38c	Arte Gabbro - tonalite phase	Hornblende tonalite: medium-grained; consists of plagioclase, quartz, hornblende and minor biotite; I-type	Wenlock to Wenlock
G38d	Arte Gabbro - mylonite phase	Hornblende mylonite and amphibolite; plagioclase-hornblende-magnetite rock; I-type intrusive	Wenlock to Wenlock
G394	Buckeran Diorite	Hornblende-biotite diorite with clinopyroxene cores to the hornblende and rare orthopyroxene; medium to coarse grained, equigranular. The pluton is mostly magnetic, with a non-magnetic core.	Middle Cambrian to Late Cambrian
G394	Buckeran Diorite nonmagnetic phase	Weakly to non-magnetic phase of Buckeran Diorite; not exposed.	Middle Cambrian to Late Cambrian
G395	Bushy Creek Granodiorite - equigranular phase	Hornblende-biotite granodiorite: grey, equigranular; weakly magnetic; deeply weathered.	Middle Cambrian to Late Cambrian
G395	Bushy Creek Granodiorite - porphyritic phase	Hornblende granodiorite: porphyritic with phenocrysts of quartz, plagioclase, alkali feldspar and hornblende; strongly magnetic.	Middle Cambrian to Late Cambrian
G396	Mafeking Granodiorite	Hornblende-biotite granodiorite: pale grey; medium-grained, equigranular to porphyritic; bipyramidal quartz; rare mafic enclaves and patchy deuteric alteration; deeply weathered to fresh; oxidised; highly magnetic	Early Devonian to Early Devonian
G397	Epacris Hills Granite	Hornblende-biotite granite: pale pinkish grey; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian
G399	Dwyer Granite	Hornblende-biotite granite: reddish to pale pinkish grey; fine to medium-grained, generally porphyritic, commonly granophyric, miarolitic cavities, flow-folded rhyolitic dykes; oxidised	Early Devonian to Early Devonian

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G400	Mammoth Porphyry	Quartz-feldspar porphyry: phenocrysts of quartz, plagioclase and lesser alkali feldspar in a very fine groundmass that is altered to sericite, carbonate and clay; abundant pyrite; dyke margins have breccia with sulphide mineralisation	Pragian to Eifelian
G402	Mirranatwa Granite	Hornblende granite: pink; often granophyric; medium to coarse-grained, equigranular to porphyritic, soda-rich; oxidised; small stocks	Early Devonian to Early Devonian
G403	Bullawin Porphyry	Biotite hornblende dacite/rhyodacite: greyish green; glassy to medium-grained, sparse feldspar and quartz phenocrysts; oxidised; forms small stocks	Early Devonian to Early Devonian
G404	Merrymbuela Gabbro	Gabbro: dark, coarse grained porphyritic (6mm); with plagioclase and orthopyroxene phenocrysts; accessory clinopyroxene, K-feldspar, quartz, biotite and hornblende	Early Devonian to Early Devonian
G407	Harrow Granodiorite	Biotite-muscovite granite: foliated to massive, grey, medium grained, porphyritic with phenocrysts of plagioclase; accessory sillimanite; rare schlieren; nonmagnetic	Middle Cambrian to Early Ordovician
G408	Nangkita Granite	Muscovite leucogranite: massive, white, medium to coarse grained, porphyritic with microcline megacrysts; minor biotite and locally abundant garnet; large enclaves of schist and gneiss are locally abundant, accompanied by biotite schlieren and selvages; nonmagnetic	Middle Cambrian to Middle Ordovician
G409	Hassall Creek Granodiorite	Biotite-hornblende granodiorite: massive, grey, medium to coarse grained, equigranular; accessory magnetite and sphene; rare mafic microgranitoid enclaves. Includes minor quartz diorite: fine to medium grained, equigranular dominated by hornblende, plagioclase and biotite, with minor quartz, clinopyroxene, alkali feldspar and chalcopyrite; magnetic	Lancefieldian to Lancefieldian
G410	Kout Norien Granodiorite	Biotite-muscovite granodiorite: foliated, medium grained, porphyritic with phenocrysts of plagioclase and microcline; accessory sillimanite; common enclaves of schist and migmatite; foliation is defined by biotite-rich schlieren; non-magnetic	Middle Cambrian to Early Ordovician
G411	Marn Mering Granodiorite	Muscovite-biotite leucogranodiorite: massive to weakly foliated, light grey, medium to coarse grained, weakly microcline-phyric; accessory garnet in western part of pluton; non-magnetic	Middle Cambrian to Early Ordovician
G413	Schofield Granite	Muscovite-biotite granite: heterogeneous, foliated, light buff, medium to coarse grained, porphyritic with megacrysts of microcline; foliation defined by schlieren and aligned biotite-muscovite clots and selvages; abundant schist and migmatite enclaves. Includes garnet pegmatite lenses and biotite- and plagioclase-rich horizons; non-magnetic	Middle Cambrian to Early Ordovician
G414	Carrigeen Granodiorite	Muscovite-biotite granodiorite: massive to foliated, bluish-white, medium grained, equigranular; local accessory garnet; metasedimentary enclaves, microcline megacrysts and schlieric foliation become more abundant toward the periphery	Middle Cambrian to Early Ordovician
G415	Scrubby Junction Granodiorite	Biotite-muscovite granodiorite: foliated, medium to coarse grained, porphyritic with microcline phenocrysts; schlieric layering and nebulitic banding are common; common enclaves of schist. Includes pegmatite and sheets of garnet leucogranite; non-magnetic	Middle Cambrian to Early Ordovician
G416	Dunmore Leucotonalite	Muscovite tonalite: foliated, white to pale green, coarse grained, equigranular with rare biotite; pervasive schlieric foliation; abundant enclaves of gneiss and migmatite	Middle Cambrian to Early Ordovician
G417	Kassingbrook Granodiorite	Muscovite-biotite granodiorite: massive, light grey-buff, medium to coarse grained, porphyritic with microcline phenocrysts; common mafic biotite-rich microgranitoid enclaves; local migmatite enclaves and schlieric layering; non-magnetic	Middle Cambrian to Early Ordovician
G418	Cloven Hills Granodiorite	Biotite-hornblende granodiorite: massive, light buff, medium to coarse grained, equigranular; accessory magnetite, sphene, allanite and epidote; magnetic	Late Cambrian to Early Ordovician
G419	Loftus Creek Granodiorite	Hornblende-biotite granodiorite: massive, grey, medium to coarse grained, porphyritic with phenocrysts of biotite and alkali feldspar; accessory magnetite and sphene; uncommon microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician
G421	Wando Tonalite	Biotite-hornblende tonalite: foliated, grey, fine to medium grained, equigranular; accessory magnetite, epidote, sphene and allanite; enclaves are hornblende-biotite microgranitoid types; magnetic	Middle Cambrian to Early Ordovician
G422	Saint Elmo Granodiorite	Biotite granodiorite: massive, light grey, medium grained, equigranular; accessory magnetite; rare small biotite-rich enclaves; weakly magnetic	Middle Cambrian to Early Ordovician
G423	Ferres Creek Tonalite	Biotite-hornblende tonalite: foliated, grey, medium to coarse grained, equigranular; accessory quartz, microcline, magnetite and epidote; some samples contain clinopyroxene; magnetic	Middle Cambrian to Early Ordovician
G424	Dergholm Granite	Biotite granite: massive, pink, medium to coarse grained, leucogranite; equigranular to weakly porphyritic in alkali feldspar; accessory magnetite and fluorite; magnetic to nonmagnetic	Early Ordovician to Early Ordovician
G425	Tuloona Granodiorite	Biotite granodiorite: massive to weakly foliated, light grey, medium to coarse grained, porphyritic with phenocrysts of quartz and microcline; accessory muscovite and magnetite; common mafic biotite-rich microgranitoid enclaves; also enclaves of migmatite and schist; biotite-rich schlieren locally common; magnetic.	Middle Cambrian to Early Ordovician
G426	Koolomurt Granodiorite	Biotite granodiorite: massive, greenish-grey, medium to coarse grained, equigranular; accessory magnetite, sphene and allanite; sporadic mafic biotite-hornblende-rich mafic microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician
G427	Torah Granodiorite	Biotite granodiorite: foliated, fine to medium grained, light grey, equigranular; accessory magnetite and epidote; weakly magnetic	Middle Cambrian to Early Ordovician
G428	Kooreelah Gabbro-Diorite	Quartz diorite to quartz monzodiorite: massive, dark grey-brown, medium-grained, equigranular containing plagioclase, biotite, clinopyroxene, orthopyroxene and magnetite; magnetic	Middle Cambrian to Early Ordovician
G429	Wennicott Tonalite	Biotite tonalite: foliated, bluish-grey, medium grained, equigranular; accessory magnetite and epidote; rare hornblende-rich microgranitoid enclaves; migmatite enclaves common near western boundary.; non-magnetic	Middle Cambrian to Early Ordovician
G432	Cairns Creek Granodiorite	Rim of hornblende-biotite granodiorite: massive, pale greenish, coarse grained, porphyritic with plagioclase, biotite, hornblende and quartz phenocrysts; accessory magnetite, sphene and allanite; magnetic. Core of biotite granodiorite: massive, coarse grained, alkali feldspar-phyric to equigranular, with accessory magnetite and sphene; weakly magnetic.	Late Cambrian to Early Ordovician

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Code	Name	Description	Age	Code	Name	Description	Age
G433	Chetwynd Tonalite	Biotite tonalite: massive, bluish-grey, coarse grained with quartzphenocrysts; accessory magnetite and rare allanite; uncommon mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician	G508	Ocean View Granite - mylonitic granodiorite	Muscovite-biotite granodiorite: coarse-grained; mylonitic; with sparse enclaves; S-type	Wenlock to Wenlock
G436	Barrama Microgranite	Biotite microgranite: massive, grey-buff, fine grained, porphyritic with phenocrysts of microcline, quartz, biotite and plagioclase; accessory muscovite and magnetite; magnetic	Late Cambrian to Early Ordovician	G509	Rocky Jack Granite	Granite: felsic; foliated; altered, with clinozoisite/epidote; I-type?	Llandovery to Wenlock
G437	Snake River Tonalite	Hornblende-biotite tonalite: foliated, grey, medium grained; porphyritic in hornblende; accessory magnetite, epidote, sphene and allanite. Numerous hornblende-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician	G512	Cooney Ridge Granodiorite	Hornblende-biotite granodiorite: medium to coarse-grained; I-type	Llandovery to Wenlock
G438	Brimboal Granodiorite	Biotite-hornblende granodiorite: foliated to massive, bluish-grey, medium to coarse grained, equigranular; occasional biotite-rich microgranitoid enclaves; accessory magnetite; magnetic	Middle Cambrian to Early Ordovician	G513	Case Granite	Leucocratic granite: medium-grained, very poorly exposed and altered; I-type	Middle Devonian to Middle Devonian
G439	Blair Atholl Granite	Biotite-muscovite granite: foliated, pale tan, coarse grained leucocratic, equigranular; accessory garnet; rare biotite-rich microgranitoid enclaves; enclaves of migmatite and biotite-rich schlieren common near southern margin; magnetic	Middle Cambrian to Early Ordovician	G514	Mollys Plain Granite	Felsic biotite granite: medium-grained, with graphic intergrowth of quartz and perthitic K-feldspar; I-type	Middle Devonian to Middle Devonian
G442	Mooree Granodiorite	Muscovite-biotite granodiorite: massive to weakly foliated, palegrey-buff, medium grained equigranular to weakly alkali feldspar-phyric; accessory magnetite and epidote; uncommon biotite-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician	G515	Crohn Granite	Tonalite: medium-grained, porphyritic, green-grey	Wenlock to Wenlock
G443	Patawilya Tonalite	Biotite-muscovite tonalite: massive, light grey-buff, medium to coarse grained, equigranular; accessory magnetite, epidote and chalcopyrite; common mafic biotite-rich microgranitoid enclaves; magnetic to weakly magnetic	Middle Cambrian to Early Ordovician	G516	Kaerwut Tonalite	Biotite tonalite: medium-grained equigranular with porphyritic marginal phase; I-type	Wenlock to Wenlock
G444	Awaiti Granite	Muscovite-biotite granite: foliated to massive, buff, medium grained, porphyritic with phenocrysts of microcline and quartz; local schlieric foliation; metasedimentary enclaves common near northern margin; non-magnetic	Middle Cambrian to Early Ordovician	G517	Doctors Flat Tonalite	Biotite-hornblende tonalite and granodiorite: grey; medium to coarse-grained; rare phenocrysts; massive to foliated; sporadic small mafic igneous enclaves	Early Devonian to Early Devonian
G445	Bryan Creek Granodiorite	Biotite-muscovite granodiorite: foliated, grey, medium grained, porphyritic with phenocrysts of plagioclase and alkali feldspar; accessory sillimanite; foliation defined by aligned biotite, muscovite, and micaceous selvages; sporadic enclaves of schist; non-magnetic	Middle Cambrian to Early Ordovician	G518	Holstons Tonalite	Biotite-hornblende tonalite; grey, medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
G446	Glengoyne Granite	Muscovite-garnet leucogranite: massive, white, fine to medium grained, porphyritic with microcline megacrysts and rare biotite; pegmatite, aplite and microgranite phases occur; non-magnetic	Middle Cambrian to Early Ordovician	G519	Mount Burt Granite	Biotite granite and tonalite: grey; medium-grained; equigranular; well foliated; contains some garnet and cordierite	Wenlock to Ludlow
G447	Gringegalgona Granite	Muscovite granite: massive to foliated, white, medium to coarse grained, porphyritic with phenocrysts of microcline and muscovite; schist and migmatite enclaves locally abundant; foliation is schlieric and accompanied by aligned microcline phenocrysts; non-magnetic	Middle Cambrian to Early Ordovician	G519i	Mount Burt Granite - dyke phase	Interlayered Mount Burt Granite and gneiss, layers 1-10 m thick	Wenlock to Ludlow
G448	Glendara Granite	Muscovite-biotite granite: massive, cream coloured, coarse grained, porphyritic with phenocrysts of alkali feldspar; accessory magnetite; rare mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician	G520	Wakefield Granite	Biotite granite: pink, coarse grained, massive; slightly porphyritic in K-feldspar; numerous microgranite and mafic dykes	Early Devonian to Early Devonian
G449	Kadnook Creek Granodiorite	Biotite-muscovite granodiorite: massive, medium grained; accessory magnetite; strongly weathered; magnetic	Middle Cambrian to Early Ordovician	G521	Yambulla Granodiorite	Biotite granodiorite: pale grey, medium grained, massive	Early Devonian to Early Devonian
G460	Phipps Granite	Biotite leucogranite: cream to pink; equigranular medium-grained; unfoliated; contains plagioclase, orthoclase, biotite, rare muscovite.	Silurian to Devonian	G522	Wroxham Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained with abundant mafic inclusions; massive to moderately foliated; contains thin mylonite zones	Early Devonian to Early Devonian
G461	Jirnkee Granite	Muscovite leucogranite: coarse-grained; pale grey; homogeneous; consists of perthitic microcline, quartz, plagioclase, muscovite.	Silurian to Devonian	G523	Sarah Allen Granodiorite	Biotite-minor hornblende granodiorite: pale grey, medium grained, massive; plagioclase-rich	Silurian to Early Devonian
G462	Horsehair Creek Tonalite	Biotite-hornblende tonalite: fine to medium-grained, foliated; contains quartz, plagioclase, biotite, hornblende; weak magmatic foliation due to aligned biotite, hornblende and plagioclase.	Silurian to Early Devonian	G524	Moscow Villa Granodiorite	Biotite granodiorite: grey-green; medium-grained; porphyritic with phenocrysts of all main minerals; biotite has replaced hornblende	Early Devonian to Early Devonian
G463	Racecourse Plain Tonalite	Biotite-hornblende tonalite: medium-grained, equigranular; contains quartz, plagioclase (commonly with distinct calcic cores), biotite, hornblende, cummingtonite (within hornblende)	Silurian to Early Devonian	G525	Bentleys Plain Granodiorite	Granodiorite: grey; coarse-grained equigranular; moderate biotite foliation; occasional igneous enclaves have diffuse margins	Early Devonian to Early Devonian
G464	Junction Plain Tonalite	Hornblende-biotite tonalite: medium-grained, with magmatic foliation; contains quartz, plagioclase (some with calcic cores), biotite, hornblende.	Silurian to Early Devonian	G526	O'Dell Tonalite	Biotite tonalite: grey; medium to coarse-grained; mostly massive and equigranular; with core of dark green-grey, fine-grained horblende tonalite	Silurian to Devonian
G465	Tucker Creek Tonalite	Biotite-hornblende tonalite: medium-grained; contains quartz, plagioclase, biotite (replaced by chlorite and sphene) and relics of brown hornblende; alteration minerals include sericite, carbonate, epidote.	Silurian to Early Devonian	G527	Cocks Break Granodiorite	Granodiorite: grey; medium-grained; porphyritic in biotite	Early Devonian to Early Devonian
G466	Parslow Diorite	Kaersutite-augite diorite: medium-grained, equigranular; metamorphosed; contains plagioclase, kaersutite, augite, quartz, apatite; metamorphic epidote, actinolite, chlorite, sphene, probable albite.	Silurian to Early Devonian	G528	Saturday Morning Tonalite	Biotite-hornblende tonalite: fine-grained; porphyritic with tabular hornblende phenocrysts.	Early Devonian to Early Devonian
G467	Bundara Munjie Quartz Diorite	Hornblende-biotite quartz diorite: fine to medium grained; porphyritic, with large hornblende and biotite phenocrysts, lesser plagioclase, augite phenocrysts in groundmass of fine plagioclase, accessory quartz and magnetite; common chlorite, epidote alteration.	Silurian to Early Devonian	G529	Green Hills Granodiorite	Biotite granodiorite and granite: grey, medium to coarse grained, commonly containing cordierite; common metasedimentary xenoliths	Llandovery to Pridoli
G468	Dry Gully Granodiorite	Biotite granodiorite; fine to medium-grained, porphyritic; with large euhedral plagioclase phenocrysts in a groundmass of quartz, plagioclase, K-feldspar, biotite, muscovite.	Silurian to Early Devonian	G530	Whitegum Tonalite	Biotite - minor hornblende tonalite: grey, medium grained, massive; conspicuous quartz grains; mafic inclusions and porphyritic dykes; I-type	Early Devonian to Early Devonian
G501	Yarak Granite	Biotite-hornblende granite: felsic; porphyritic; weakly foliated; I-type	Silurian to Devonian	G531	Archie Granodiorite	Biotite - minor hornblende granodiorite: grey, medium to coarse grained, massive; scattered hornblende crystals to 12 mm long; I-type	Early Devonian to Early Devonian
G502	Watchmaker Granodiorite	Biotite granodiorite: medium to coarse-grained; K-feldspar rich; I-type	Silurian to Devonian	G532	Grass Flat Granite	Biotite granite containing cordierite; S-type; includes mafic phases that may be distinct intrusions.	Llandovery to Pridoli
G503	Purgagoolah Granite	Granite: coarse to medium-grained; weathered; I-type?	Wenlock to Wenlock	G533	Coopracambra Tonalite	Hornblende-biotite tonalite: dark grey green, coarse grained, massive; strongly porphyritic in quartz and feldspar; strongly altered	Early Devonian to Early Devonian
G504	Pike Hill Granodiorite	Biotite granodiorite: coarse to medium-grained; foliated; weathered; S-type	Wenlock to Wenlock	G534	Crowstick Diorite	Hornblende-bearing quartz diorite.	Llandovery to Early Devonian
G505	Scrubby Flat Gabbro	Pyroxene-hornblende gabbro and gabbronorite: medium to coarse-grained; I-type	Llandovery to Wenlock	G535	Silver Flat Porphyries	Feldspar-quartz porphyry: brown, red, grey; variable amounts of quartz and feldspar; fine recrystallised groundmass; commonly displays well developed columnar jointing	Ludlow to Early Devonian
G506	Mount Jack Granite	Biotite-muscovite granodiorite: with cordierite, garnet; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock	G536	Mowamba Porphyries	Quartz-feldspar porphyry: green; medium-grained; strong epidote, sericite and chlorite alteration of relict hornblende and feldspar	Early Devonian to Early Devonian
G507	Kent Road Granite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type	Llandovery to Wenlock	G540	Commins Track Leucogranite	Leucogranite: grey to pink; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian
G508	Ocean View Granite	Biotite-muscovite granodiorite: with cordierite; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock	G541	Tongio Tonalite	Tonalite: mid- to dark grey; fine-grained equigranular; massive; minor quartz diorite and hornblende-rich gabbro	Early Devonian to Early Devonian
				G545	Brookville Granite	Granite: pale pink to cream; medium-grained; massive; minor dark coarse-grained hornblendite and quartz diorite on southern and western margins	Early Devonian to Early Devonian
				G546	Bayliss Spur Tonalite	Tonalite: green to grey; medium to coarse-grained; minor pegmatitic leucogranite and hornblendite	Early Devonian to Early Devonian
				G547	Marthavale Tonalite	Biotite-hornblende granodiorite, tonalite, quartz diorite: concentrically zoned with variable composition ranging from granodiorite and tonalite to hornblende-bearing quartz diorite; equigranular, fine to medium grained; concentric magnetic zones	Early Devonian to Early Devonian

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Code	Name	Description	Age	Code	Name	Description	Age
G548	Jim and Jack Tonalite	Biotite tonalite and minor leucogranite: grey; equigranular; weakly to moderately foliated; magnetic phase coarse-grained with numerous fine to medium-grained microgranitoid enclaves; non-magnetic phase medium-grained; I-type; intruded by leucogranitic porphyry and aplite dykes.	Early Devonian to Early Devonian	G624	Pental pluton	Granite: distinguished by geophysical response; very poorly subcropping	Early Devonian to Middle Devonian
G549	Cobungra Granite	Granite, granodiorite: dark grey; fine to coarse-grained; massive to strongly foliated; abundant K-feldspar phenocrysts and small clots of biotite+sillimanite; variable muscovite-biotite-cordierite-sillimanite content; abundant metasedimentary enclaves; grades into migmatite.	Llandoverly to Wenlock	G628	Woosang Granite	biotite granodiorite: S-type, reduced; medium grained; weakly porphyritic; contains cordierite	Early Devonian to Middle Devonian
G550	Brothers Syenite	Hornblende-biotite syenite: grey, coarsely porphyritic in the south and northeast, equigranular in the northwest; phenocrysts are orthoclase	Triassic to Triassic	G701	Cattleyard Granite	Granitic rock; moderately magnetic, low K, low Th, moderate U	Llandoverly to Wenlock
G551	MacFarlane Syenite	Hornblende-biotite syenite: grey, coarse, equigranular; augite and aegirine present; local alkali granite with arfvedsonite	Triassic to Triassic	Gdb	Dead Bird Suite	Hornblende-biotite diorite/granodiorite: dark grey-green, fine to medium-grained, equigranular; often strong epidote-chlorite alteration; plugs	Early Devonian to Early Devonian
G552	Mole Hill Syenite	Hornblende-biotite-pyroxene syenite: grey to pale orange, medium to coarse grained, equigranular	Triassic to Triassic	Gx	Unnamed Silurian and Devonian granites	granitic plutons	Silurian to Devonian
G553	Duggan Creek Granite	Biotite granite: grey, equigranular	Triassic to Triassic	Dab	Avon Supergroup - basalt	Basalt: black to greenish, commonly amygdaloidal; alteration common with abundant chlorite	Late Devonian to Late Devonian
G554	Beloka Gap Granite	Biotite granite: grey, strongly porphyritic in quartz and feldspar, miarolitic cavities often lined with smoky quartz	Triassic to Triassic	Dad	Delatite Group	Red siltstone, minor sandstone, conglomerate	Late Devonian to Late Devonian
G555	Bung Bung Syenite	Hornblende-biotite syenite: pale grey, medium to coarse grained, equigranular, porphyritic in the south	Triassic to Triassic	Dadc	Callemondah Conglomerate	Conglomerate, sandstone, mudstone: conglomerate is polymictic with imbricated pebbles and cobbles of vein quartz, metasedimentary rock, chert, siltstone; forms prominent bluffs. Sandstone and mudstone red; sandstone lithic	Late Devonian to Late Devonian
G556	Percydale Granite	Granite: grey to red, strongly porphyritic in quartz and feldspar, groundmass ranges from glassy to equigranular with rare biotite and fluorite.	Triassic to Triassic	Dadk	Kevington Creek Formation	Mudstone, minor sandstone, occasional conglomerate: mudstone red; sandstone thick-bedded, trough- and tabular cross-bedded; quartz-lithic, micaceous; conglomerates form bases of upward-fining sequences.	Late Devonian to Late Devonian
G557	Grand View Syenite	Biotite-hornblende syenite: mid to dark grey, coarse-grained, with orthoclase phenocrysts	Triassic to Triassic	Dadm	Moroka Glen Formation	Conglomerate, pebbly sandstone, sandstone, and red and grey mudstone: upward fining sequence; clasts are well-rounded and consist of quartzite, sandstone, vein quartz, chert and minor mudstone in a quartzose or clayey matrix; sparse basalt flows.	Late Devonian to Late Devonian
G558	Sisters Granite	Biotite alkali granite, quartz syenite: cream; fine to medium-grained; rare small K-feldspar phenocrysts	Triassic to Triassic	Damk	Mount Kent Conglomerate	Conglomerate, pebbly sandstone, minor red mudstone: conglomerate massive to crudely bedded, well sorted, generally pale, forms large outcrops; clasts rounded, mostly of sandstone/quartzite; sandstone tabular, commonly with large-scale cross bedding and channeled bases	Famennian to Famennian
G558	Sisters Granite - syenite phase	Biotite-hornblende-quartz syenite: fine-grained; equigranular	Triassic to Triassic	Dams	Snowy Plains Formation	Mudstone, sandstone: red mudstone generally poorly bedded, sandstone pale-coloured, quartz-rich; upward-fining with minor conglomerate near base	Famennian to Carboniferous
G559	Day Hill Syenite	Biotite syenite, quartz syenite: leucocratic; equigranular coarse-grained	Triassic to Triassic	Daw	Wellington Volcanic Group	Rhyolite and rhyodacite ignimbrite, sedimentary units.	Givetian to Frasnian
G566	Allwood Granodiorite	Biotite-muscovite-cordierite granodiorite: pale to medium bluish grey, weathering to pale brownish grey; fine to medium-grained; locally foliated; sparse enclaves of schist, dark grey psammite; very rare enclaves of vein quartz; S-type; nonmagnetic	Llandoverly to Llandoverly	Dawb	Bindaree Formation	Boulder conglomerate, green mudstone, black shale.	Late Devonian to Late Devonian
G567	Mount Alfred Granite	Two-mica cordierite granite: pale brownish grey, fine grained and equigranular; abundant small metasedimentary enclaves; S-type; nonmagnetic; weathered	Wenlock to Pridoli	Dawh	Highton Volcanics	Consists of three units. 1: lava unit: lenticular unit of andesite lava, flow breccia and andesitic volcaniclastics. 2: clastic unit: <20 m of volcanolithic conglomerate and sandstone. 3: ignimbrite unit: <120 m welded garnet-bearing rhyolitic ignimbrite with prominent fiamme.	Late Devonian to Late Devonian
G568	Burbibyong Granite	Biotite cordierite granite: brownish grey, medium to fine grained; locally foliated; S-type; nonmagnetic	Wenlock to Pridoli	Dawo	Howitt Spur Formation	Sandstone and siltstone: sandstone unit: <150 m of upward fining pebble/cobble conglomerate, sandstone, minor mudstone; siltstone unit: ~400 m of brown siltstone and thin sandstone; rhyodacite unit <50m thick near top.	Late Devonian to Late Devonian
G569	Thowgla Creek Granite	Biotite cordierite granite: brownish grey, medium to coarse grained; mostly porphyritic in K-feldspar; S-type; nonmagnetic	Wenlock to Pridoli	Dawr	Refrigerator Gap Dacite	Thin tabular flows of massive dacitic lava and occasional hyaloclastite, with a 20 m thick unit of black laminated shale intercalated.	Late Devonian to Late Devonian
G570	Keelangie Creek Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained equigranular; I-type; nonmagnetic; weathered; minor pale green amphibole, chlorite, sphene and opaques.	Ludlow to Ludlow	Dbb	Buchan Caves Limestone	Limestone and dolomite: black to grey; thickly bedded, graded calcarenite to calcilitute, skeletal or peloidal grainstone and wackestone; base massive with few fossils, becoming more fossiliferous upwards. Minor siliceous bands at Gillingall; jasperoidal silica at The Basin; some volcaniclastic sediments near the base.	Pragian to Emsian
G571	Berringama Granodiorite	Biotite granodiorite: dark grey, medium grained; equigranular, mainly weakly to moderately foliated; I-type; nonmagnetic	Wenlock to Pridoli	Dbm	Murrindal Limestone	Limestone: massive, pale grey, recrystallized; also fossiliferous bedded limestone	Emsian to Emsian
G572	Guys Forest Granodiorite - hornblende granodiorite phase	Hornblende granodiorite: pale grey, medium grained; few enclaves; I-type; intensely magnetic	Lochkovian to Emsian	Dbt	Taravale Marlstone	Marlstone, mudstone, nodular limestone, calcareous siltstone and minor dolomite; blue-grey, green grey to pale brown and white with dark limestone nodules, poorly to well bedded.	Emsian to Emsian
G572	Guys Forest Granodiorite biotite granodiorite phase	Biotite granodiorite: grey, medium grained, mostly foliated; I-type; non-magnetic	Lochkovian to Pragian	Dc	Cathedral Group	Fluvial: red and green sandstone, siltstone, conglomerate	Emsian to Emsian
G573	Touzells Granodiorite	Biotite granodiorite: dark grey, medium grained, minor amphibole; equigranular interior and porphyritic margin; I-type; moderately magnetic	Wenlock to Pridoli	Ddd	Dart River Volcanic Breccia	Breccia, poorly sorted, with clasts and occasional megaclasts of Ordovician bedrock, ignimbrite, andesite, granite and limestone	Early Devonian to Early Devonian
G574	Beetoomba Granodiorite	Hornblende granodiorite: pinkish grey, medium grained; equigranular; I-type; very altered; highly magnetic	Wenlock to Pridoli	Ddh	Dartella Volcanic Group - dyke	Hornblende-feldspar porphyry dyke: dark green, fine grained; plagioclase phenocrysts up to 3 mm long; highly magnetic	Early Devonian to Middle Devonian
G575	Lucyvale Granite	Biotite leucogranite: deep pink, variably fine to coarse grained; contains greenish brown biotite pervasively altered; highly magnetic	Early Devonian to Middle Devonian	Ddl	Larsen Creek Ignimbrite	Rhyolitic ignimbrite, tuff: feldspar ignimbrite, variable phenocryst content and quartz/feldspar ratio, densely welded groundmass, often pumiceous with well developed eutaxitic foliation; in places with abundant fragments of Wallaby Granite, biotite schist and Bendoc Group rocks	Early Devonian to Early Devonian
G577	Murray Gates Leucogranite	Leucogranite: grey to pink, medium to coarse grained; up to 5% biotite; massive and equigranular with some porphyritic phases; nonmagnetic. Includes small pods of pegmatite, which occur as dykes and blebs.	Early Devonian to Middle Devonian	Ddm	Murtagh Creek Ignimbrite	Rhyolitic ignimbrite, minor breccia, lahar deposits: rhyolitic red quartz ignimbrite with large quartz and feldspar ignimbrite and cognate porphyry pyroclasts, with very abundant slate lithic fragments in the west; breccias rich in bedrock lithics	Early Devonian to Middle Devonian
G578	Harringtons Tonalite	Hornblende tonalite: mid to dark grey, medium grained; strongly foliated; contains several large hornfels rafts; I-type; nonmagnetic	Wenlock to Pridoli	Dds	Sheevers Spur Ignimbrite	Dacitic pyroxene-feldspar ignimbrite: grey-green; medium-grained; moderate to high phenocryst content; densely welded	Early Devonian to Early Devonian
G579	Coynallan Tonalite	Hornblende tonalite: medium grained equigranular to coarse and porphyritic; massive to foliated; numerous round mafic enclaves to several metres across; I-type; weakly to moderately magnetic	Wenlock to Pridoli	Ddt	Tabor Volcanics	Lava and volcanogenic sediments: basaltic andesite, dark blue-green, minor unwelded felsic ignimbrite and ashstone	Early Devonian to Middle Devonian
G580	Hermit Granite - weakly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; weakly magnetic	Wenlock to Pridoli	Deo	Boulder Flat Limestone	Limestone: massive, dark grey, recrystallized to stylonbrecciated; black shale; minor dolomite.	Early Devonian to Early Devonian
G580	Hermit Granite - highly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; highly magnetic	Wenlock to Pridoli	Deu	Bungywar Formation	Sandstone and pebble conglomerate, including volcaniclastics; interbedded ignimbrite-like rocks are unwelded; minor rhyolitic lava is surrounded by hyaloclastite	Early Devonian to Early Devonian
G582	Mount Unicorn Porphyry	Quartz-feldspar porphyry: pale cream to buff coloured; bipyramidal quartz phenocrysts and altered feldspar; patchily to pervasively altered; nonmagnetic and magnetic phases	Early Devonian to Middle Devonian				
G583	Halls Paddock Diorite	Hornblende diorite: dark grey to green, coarse, equigranular to strongly porphyritic; intensely magnetic	Early Devonian to Early Devonian				
G623	Whitimaria Granite	Leucocratic muscovite granite: pale grey, medium grained; very poorly exposed	Early Devonian to Early Devonian				

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Dfb	Besford Ignimbrite	Rhyolitic quartz ignimbrite: red, crystal-rich, with large quartz and feldspar phenocrysts and minor biotite in a welded groundmass	Emsian to Emsian	Dnn	Norton Gully Sandstone	Sandstone, siltstone, minor shale, conglomerate, diamictite, limestone: sandstone thick to thin bedded; Ta-c, Tbc, Tc turbidites; grain sizes range from granulestone to very fine-grained sandstone, coarsest beds strongly graded; siltstone and shale well laminated; dark grey to black; conglomerate and most diamictite with well rounded pebbles, often with abundant fossils; limestone lenses in Maindample area	Emsian to Emsian
Dfs	Sloan Knob Microgranite	Ring dyke: coarse quartz-feldspar porphyry with large euhedral crystals of quartz and feldspar and some biotite in a finer groundmass of the same minerals; glassy rhyolite with rare quartz phenocrysts.	Early Devonian to Early Devonian	Dnw	White Star Formation	Sandstone, siltstone: sandstone pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbidites; quartz-rich; medium to fine-grained; siltstone dark grey to black; thin-bedded, well laminated to shaly	Early Devonian to Early Devonian
Dg	Devonian, granite	Granite, granodiorite	Devonian to Devonian	Dny	Woori Yallock Formation	Sandstone, siltstone, conglomerate	Early Devonian to Early Devonian
Dgp	quartz diorite	Hornblende quartz diorite: fine grained, massive, with large hornblende phenocrysts	Early Devonian to Early Devonian	Doc	Cudgewa Falls Volcanics	Lava domes/flows and ignimbrite: dark greenish grey porphyritic crystal poor lava, massive to flow banded rhyolite; pale green and grey ignimbrite with variable pumice and crystal content; includes fine bands of pyroclastic surge deposits with abundant accretionary lapilli	Early Devonian to Middle Devonian
Dgu	Devonian leucogranite	Unnamed leucogranite: grey, medium grained; contains minor biotite; massive; nonmagnetic	Early Devonian to Late Devonian	Doj	Jemba Ignimbrite	Ignimbrite: dark bluish grey to pinkish grey, crystal rich, mostly recrystallised; sparse small lithic fragments; highly magnetic	Early Devonian to Middle Devonian
Dh	White Monkey Volcanic Group	Felsic ignimbrite, minor conglomerate, sandstone	Early Devonian to Early Devonian	Dq	Merrimbula Group	Sandstone, conglomerate, siltstone, quartzite, shale.	Late Devonian to Late Devonian
Dha	Mackieson Spur Tuff	Vitric ignimbrite with wispy attenuated pumice fragments, ash and fine sandstone	Early Devonian to Early Devonian	Dr	Rocklands Volcanic Group	Ryholite lava: flow banded; ignimbrite; volcanoclastic sedimentary rocks; microgranite	Early Devonian to Early Devonian
Dhb	Bass Camp Ignimbrite	Quartz-pink feldspar ignimbrite: red with large pumice fragments; occasional cavities	Early Devonian to Early Devonian	Ds	Snowy River Volcanic Group	Volcanic lava, pyroclastics and epiclastics	Early Devonian to Early Devonian
Dhd	Douglas Ignimbrite	Feldspar ignimbrite: brown with minor quartz phenocrysts and abundant red pumice fragments	Early Devonian to Early Devonian	Dsa	basal breccia, conglomerate	Unnamed basal breccia, conglomerate, pebbly sandstone.	Lochkovian to Pragian
Dhm	Minchin Ignimbrite	Vitric ignimbrite, small quartz and feldspar phenocrysts in green-grey or red fine matrix; lithic clasts include ignimbrite, glassy lava, sediment from Yalmy Group.	Early Devonian to Early Devonian	Dsb	Timbarra Subgroup	Breccia, conglomerate, sandstone, siltstone, ash, ignimbrite	Pragian to Pragian
Dho	Bowen Track Ignimbrite	Quartz-feldspar ignimbrite. coarse, abundant white feldspar and large quartz grains set in a welded black glassy groundmass. Aggregates of feldspar are common. Minor small felsic lava or sedimentary lithics, occasional pumice clasts.	Early Devonian to Early Devonian	Dsba	Wilkinson Creek Conglomerate	Sedolithic conglomerate, breccia; pebbles of quartzite, sandstone, minor granite, shale, chert; minor medium to coarse grained sandstone; poorly bedded; pebbly sandstone interbeds	Lochkovian to Pragian
Di1	Violet Town Volcanic Group - rhyolite	Rhyolite: ignimbrite; phenocrysts of orthoclase and euhedral quartz in a fluidal groundmass containing cordierite, garnet and biotite.	Late Devonian to Late Devonian	Dsbb	Windarra Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone: poorly bedded; alluvial fan deposits; hornblende andesite, rhyolite and quartz latite lava; lava flows	Lochkovian to Pragian
Di2	Violet Town Volcanic Group - rhyodacite	Rhyodacite: ignimbrite; phenocrysts of orthoclase, euhedral quartz, plagioclase, biotite and uncommon enstatite, cordierite and garnet in a microgranular groundmass of quartz and feldspar; recrystallization commonly obliterates eutaxitic fabric; sedimentary xenoliths common near the base.	Late Devonian to Late Devonian	Dsbc	Scorpion Creek Sandstone	Sandstone and siltstone, ash, conglomerate, pebbly sandstone	Lochkovian to Pragian
Djc	Coldstream Rhyolite	Rhyolite lava: coherent flow-banded to autobrecciated; dark greenish to bluish grey, with occasional phenocrysts of andesine in a cryptocrystalline matrix of oligoclase and orthoclase, choritised biotite, little quartz.	Late Devonian to Late Devonian	Dsbd	Johnson Mudstone	Volcanogenic mudstone, sandstone, conglomerate, pumiceous vitric sandstone: includes various styles of Bouma sequences; basalt lava; marine turbidites with rare lava pods	Lochkovian to Pragian
Dje	Mount Evelyn Rhyodacite	Rhyolite to rhyodacite ignimbrite: welded; phenocryst-rich with gradation from quartz rich to more abundant oligoclase and orthoclase, and plagioclase on top. Contains lithic fragments of bedrock and Coldstream Rhyolite. Uppermost part is a thin band of volcanogenic sediments.	Late Devonian to Late Devonian	Dsbe	Dicks Creek Ignimbrite	Feldspar ignimbrite: pink vitric matrix with minor quartz phenocrysts; wispy pumice fragments	Pragian to Pragian
Djf	Ferny Creek Rhyodacite	Biotite-hypersthene rhyodacite ignimbrite: recrystallized; chilled glassy base shows traces of eutaxic foliation parallel to the sediment band below; becomes increasingly crystalline and phenocryst-rich upwards.	Late Devonian to Late Devonian	Dsbf	Gordon Creek Ignimbrite	Quartz ignimbrite: red to purple with large quartz, small feldspar phenocrysts	Pragian to Pragian
Djk	Kalorama Rhyodacite	Garnet-bearing rhyodacite ignimbrite: recrystallized; siltstone; lacustrine; lenticulite at base overlain by recrystallised dark vitric-rich ignimbrite with large phenocrysts of quartz, feldspar, occasional almandine garnet, which is overlain by thin band of volcanogenic lacustrine sediments.	Late Devonian to Late Devonian	Dsbg	Dinner Hill Gap Lava	Rhyolite lava and rhyolite breccia	Pragian to Pragian
Djy	Yellingbo Porphyry	Quartz-feldspar porphyry: mid- to dark grey; large quartz and smaller feldspar phenocrysts, minor biotite in fine-grained groundmass	Late Devonian to Late Devonian	Dsbi	Davidsons Lane Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone: mostly massive and clast supported; fluvial deposits	Lochkovian to Pragian
Dk	intrusive breccia	Breccia: angular schist and hornfels fragments aligned in a matrix of quartz, fractured schist and granodiorite	Early Devonian to Early Devonian	Dsc	Wombargo Subgroup	Ignimbrite, conglomerate and sandstone; ignimbrite pink crystal-rich quartz ignimbrite with quartzite and rhyolitic lava lithic clasts and small pumice fragments; sedimentary units: clast-supported conglomerate, bedded pebbly sandstone interbedded with massive sandstone.	Lochkovian to Pragian
Dla	Mount Elizabeth Caldera Complex - rhyolite	Rhyolite: aphyric to sparsely porphyritic; massive to flow-banded; fine sugary texture where weathered; small phenocrysts of quartz, feldspar, altered biotite	Early Devonian to Early Devonian	Dsea	Statham Ignimbrite	Quartz-feldspar ignimbrite with large phenocrysts and red pumice fragments: abundant lithic clasts near the base; minor sandstone, siltstone, breccia, feldspar ignimbrite	Pragian to Pragian
Dlf	Fainting Range Ignimbrite	Vitric ignimbrite: black; pumiceous; up to 10% feldspar and rare quartz phenocrysts	Early Devonian to Early Devonian	Dseb	Black Satin Ignimbrite	Quartz-feldspar ignimbrite: large phenocrysts, minor hornblende	Pragian to Pragian
Dls	Slater Ignimbrite	Quartz ignimbrite: purple-red with pink pumice, coarse-grained with up to 40% crystal content; contains biotite; densely welded throughout	Early Devonian to Early Devonian	Dsec	Currie Creek Ignimbrite	Quartz-feldspar ignimbrite: green with abundant lithic clasts	Pragian to Pragian
Dmg	granodiorite porphyry	Granodiorite porphyry: dark grey; fine-grained with phenocrysts of quartz, feldspar, biotite	Middle Devonian to Middle Devonian	Dsed	Glen Shiel Ignimbrite	Quartz-feldspar ignimbrite with bimodal quartz and small feldspar phenocrysts	Pragian to Pragian
Dmh	Hesket Ignimbrite	Rhyolite ignimbrite: red to dark grey; fine-grained; vitric-rich; with garnet phenocrysts; densely welded to rheomorphic.	Late Devonian to Late Devonian	Dsfa	Ballantyne Megabreccia	Megabreccia: volcanic and minor granite blocks (up to 30m across), in a pebbly mudstone matrix, intrusive rhyolite	Lochkovian to Pragian
Dmw	Willimigongong Ignimbrite	Enstatite-feldspar rhyodacite with high phenocryst content: dark grey; mostly recrystallised but some layers contain abundant lithic fragments including: basalt, siltstone, and glassy felsic volcanic rock	Late Devonian to Late Devonian	Dsfb	Black Mountain Ignimbrite	Quartz-feldspar ignimbrite: granular with large phenocrysts and abundant lithic clasts	Pragian to Pragian
Dn	Walhalla Group	Sandstone, mudstone, minor conglomerate; marine turbidites and mass-flow deposits	Emsian to Emsian	Dsg	Mount Dawson Subgroup	Vitric and feldspar-phyric red pumice ignimbrite; ash, volcanoclastic sandstone and breccia lenses	Pragian to Pragian
Dne	Easts Lookout Siltstone	Siltstone, sandstone, minor shale: siltstone dark green-grey to occasionally black; thinly bedded, shaley; minor black shale; sandstone pale grey; thin- to occasionally medium-bedded; very fine to medium-grained; well sorted; quartz-rich	Pragian to Emsian	Dsga	Woolshed Creek Ignimbrite	Feldspar ignimbrite: orange with a granular appearance and minor quartz phenocrysts	Pragian to Pragian
Dne-S	Easts Lookout Siltstone-Wilson Creek Shale	Interbedded, thinly bedded, grey siltstone and black shale.	Pragian to Emsian	Dsgb	Dead Cattle Gully Ignimbrite	Feldspar ignimbrite: grey to black with small quartz, ferromagnesian minerals and red pumice	Pragian to Pragian
Dnm	Montys Hut Formation	Predominantly siltstone, sometimes interbedded with sandstone. mostly thin-bedded with planar and laterally continuous beds.Siltstone: dark green-grey to occasionally black; thinly bedded, shaly; occasionally with flat burrows. Sandstone: pale grey; thin- to minor medium-, rarely thick-bedded; very fine to medium-grained; well sorted; quartz-rich	Emsian to Emsian	Dsgc	Doonarlik Ignimbrite	Feldspar ignimbrite: dark; white to green euhedral feldspar phenocrysts	Pragian to Pragian
				Dsgd	Doyle Gully Ignimbrite	Feldspar ignimbrite with small quartz and angular altered green lithic clasts	Pragian to Pragian
				Dsge	Bimmarn Ignimbrite	Feldspar ignimbrite: dark with white euhedral feldspar phenocrysts	Pragian to Pragian
				Dsgf	Plumb Gully Ignimbrite	Quartz-feldspar ignimbrite with red volcanic lithic clasts and red pumice fragments	Pragian to Pragian
				Dsgg	Lookout Top Ignimbrite	Quartz-feldspar ignimbrite with large quartz and orange feldspar phenocrysts, red pumice fragments	Pragian to Pragian
				Dsgj	Yellow Waterholes Ignimbrite	Quartz-feldspar ignimbrite: small phenocrysts, pink to purple vitric matrix	Pragian to Pragian
				Dsk	Little River Subgroup	Felsic ignimbrite, felsic to mafic lava, ashstone, conglomerate, sandstone, mudstone, chert	Pragian to Pragian

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Dska	Sykes Tuff	Breccia, thinly bedded vitric ash, fine sandstone, with accretionary lapilli	Lochkovian to Pragian	Dsqd	Quindalup Ignimbrite	Quartz ignimbrite: salmon pink; often coarse-grained with prominent quartz crystals; moderate to high phenocryst content; variably welded, commonly with obvious eutaxitic foliation; minor thin sandstone and conglomerate	Lochkovian to Pragian
Dskb	Gelantipy Ignimbrite	Quartz-feldspar ignimbrite: grey, green; pumice-rich	Lochkovian to Pragian				
Dskd	Mount Tabby Formation	Quartz-feldspar and feldspar ignimbrite, basalt lava, breccia, sandstone	Pragian to Pragian	Dsxd	Devils Den Conglomerate	Conglomerate, breccia, sandstone, minor siltstone, shale	Lochkovian to Pragian
Dske	Bally Hooley Ignimbrite	Feldspar ignimbrite: up to 5% quartz, variable crystal content; pyroclastic deposits	Pragian to Pragian	Dsxe	Deddict Rhyodacite	Porphyry dykes; quartz-feldspar (hornblende) porphyry	Pragian to Pragian
Dskf	Dandan Andesite	Andesite lava, minor andesite breccia with carbonate-filled vughs	Pragian to Pragian	Dsxi	Dingo Hill Lava	Extrusive, intrusive: rhyolite lava with quartz and feldspar phenocrysts; flow banded to autobrecciated	Lochkovian to Pragian
Dskg	Detarka Ignimbrite	Feldspar ignimbrite: vitric with small compressed pumice fragments	Lochkovian to Pragian	Dsxm	Meadow Creek Megabreccia	Blocks of ignimbrite from Marroo Subgroup, White Monkey Volcanics and Yalmy Group quartzite in matrix of breccia and conglomerate	Lochkovian to Pragian
Dskh	Carson Creek Ignimbrite	Feldspar ignimbrite: pumiceous, commonly with well developed eutaxitic foliation, grey; thin breccia and sandstone lenses; pyroclastic and epiclastic deposits	Pragian to Pragian	Dsxr	Trendale Formation	Quartz-feldspar ignimbrite, ashstone, sandstone, siltstone, mudstone	Lochkovian to Pragian
Dski	Gillingall Ignimbrite	Feldspar ignimbrite: green or pink matrix with feldspar (up to 6 mm) and wispy pumice	Lochkovian to Pragian	Dsxu	Tulloch Ard Ignimbrite	Quartz-feldspar ignimbrite with lithic clasts of black shale and other older sediment: mostly densely welded	Lochkovian to Pragian
Dskk	Fairy Sandstone	Tuff, ignimbrite, sandstone, siltstone, breccia, conglomerate: generally thin-bedded; pyroclastic and fluvial deposits.	Pragian to Pragian	Dsya	Snowy River Volcanic Group - porphyry	Feldspar-hornblende porphyry, commonly coarse-grained, dark bluish green when fresh; some contain pyroxene and/or small amounts of quartz phenocrysts	Pragian to Pragian
Dskl	Wulgulmerang Volcaniclastics	Sandstone, ash, pumice rich ash, mudstone, poorly welded ignimbrite, conglomerate, breccia	Lochkovian to Pragian	Dsyb	Snowy River Volcanic Group - porphyry	Quartz-feldspar-hornblende/biotite porphyry with large phenocrysts	Pragian to Pragian
Dskm	Boundary Creek Conglomerate	Red conglomerate, gritstone and pebbly sandstone, red siltstone, mudstone	Lochkovian to Pragian	Dsyc	Snowy River Volcanic Group - porphyry	Quartz-feldspar porphyry: coarse-grained, massive; dykes	Pragian to Pragian
Dskn	Milky Creek Ignimbrite	Vitric ignimbrite with green pumice and red to pink lithic clasts	Lochkovian to Pragian	Dsyd	Snowy River Volcanic Group - rhyolite	Rhyolite: vitric with sparse feldspar and/or quartz phenocrysts, in places flow-banded, spherulitic	Early Devonian to Early Devonian
Dsko	Boorabal Andesite	Andesite lava, minor basalt lava lenses, breccia	Lochkovian to Pragian	Dtb	Bennies Formation	Ignimbrite, conglomerate, sandstone: ignimbrite with variable, usually high, phenocryst content, commonly coarse-grained, some with biotite and/or garnet, lesser intercalated conglomerate dominated by well rounded vein quartz pebbles with lesser basement pebbles; minor sandstone and red mudstone.	Late Devonian to Late Devonian
Dskp	McRaes Ignimbrite	Quartz ignimbrite, red, with large quartz and small feldspar phenocrysts, and overlying volcaniclastic sandstone and mudstone	Pragian to Pragian	Dtc	Cobbler Rhyolite	Rhyolitic lava with garnet phenocrysts, and lava breccia that is probably resedimented.	Late Devonian to Late Devonian
Dskq	Raymond Falls Lava	Rhyolite lava: small quartz and feldspar phenocrysts, in part flow banded; lava dome	Pragian to Pragian	Dth	Hollands Creek Rhyodacite	Rhyolitic to rhyodacitic quartz ignimbrite, rich in large phenocrysts and moderately to densely welded.	Late Devonian to Late Devonian
Dskr	Frying Pan Creek Ignimbrite	Feldspar ignimbrite with pink vitric matrix, minor quartz phenocrysts	Lochkovian to Pragian	Dtr	Ryans Creek Ignimbrite	Rhyolitic quartz ignimbrite: cordierite and garnet phenocrysts, densely welded/recrystallized; shows upward zonation from a chilled dark base, to eutaxitic and partly microcrystalline, to recrystallized.	Late Devonian to Late Devonian
Dskr	Jellung Ignimbrite	Feldspar ignimbrite: sparse small quartz phenocrysts, commonly with well developed eutaxitic foliation, variably welded; pyroclastic deposits	Early Devonian to Early Devonian	Dtt	Toombullup Ignimbrite	Recrystallized rhyolitic/rhyodacitic ignimbrite: coarse; abundant phenocrysts of quartz, feldspar, biotite, garnet and, locally, enstatite; schlieren of granodiorite porphyry occur; contains lithic fragments of hornblende granodiorite.	Late Devonian to Late Devonian
Dskt	Moores Ford Andesite	Andesite, trachyte and basalt lava flows: massive grey to dark green-black porphyritic andesite lava is most common. Basalt lavas are grey and have olivine, generally show elongate silica-filled amygdales; minor ash and pyroclastic deposits	Pragian to Pragian	Dtw	Mount Warrick Rhyolite	Rhyolitic lava and porphyry: mostly very glassy, massive to flow-banded, commonly perlitic; rare volcaniclastic sandstone and conglomerate; cream to pale brown colours	Late Devonian to Late Devonian
Dsku	Stonehenge Ignimbrite	Feldspar and vitric feldspar ignimbrite: variably welded and in parts pumiceous, green to pale grey; vitriclastic pumiceous sandstone; pyroclastic and marine mass-flow deposits	Pragian to Pragian	Dwt	Tabberabbera Formation	Siltstone, sandstone, minor carbonate	Early Devonian to Early Devonian
Dskv	Holloways Formation	Volcaniclastic sandstone, mudstone, conglomerate: thin to thick bedded, pumiceous, commonly with open framework; marine mass-flow deposits	Pragian to Pragian	Dww	Wild Horse Formation	Conglomerate, sandstone, rare mudstone: quartz conglomerate fine-grained with minor component of larger lithic pebbles; crudely bedded to thick-bedded; includes very coarse to coarse sandstone of same composition; tabular(?) cross bedding; channel forms; rare thin interbeds of fine-grained sandstone and mudstone	Early Devonian to Early Devonian
Dskw	Rankin Road Ignimbrite	Vitric feldspar ignimbrite: pale coloured, massive, recrystalised, contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian				
Dsna	Kanni Ignimbrite	Feldspar ignimbrite: crystal rich, small pumice fragments, not welded, green-grey; pyroclastic deposits	Pragian to Pragian	Dx	Devonian, sedimentary rocks	Conglomerate, sandstone, mudstone	Early Devonian to Carboniferous
Dsnb	Boggy Creek Sandstone	Feldspar ignimbrite and feldspathic volcanogenic sandstone: thick bedded, dark grey; vitric mudstone; primary and reworked pyroclastic deposits	Pragian to Pragian	Dxa	Unnamed Silurian-Devonian quartz sandstone	Quartzite: fine to medium grained, cross-bedded, graded, with clasts of silicified black shale.	Silurian to Middle Devonian
Dsnc	Nowa Nowa Conglomerate	Volcanolithic breccia, conglomerate and sandstone with clasts predominantly of glassy rhyolite and minor andesite; lava dome flank deposits	Pragian to Pragian	Dxc	Combyingbar Formation	Sandstone: coarse grained, pebbly sandstone; yellow to grey, generally thick bedded; and mudstone, massive, red-purple, with abundant interbedded sandstone; fluvial deposits	Late Devonian to Late Devonian
Dso	Tara Range Subgroup	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded; minor volcanogenic sediments including mudstone and sandstone with accretionary lapilli, tabular cross-bedded sandstone; minor basalt lava; pyroclastic and epiclastic rocks, minor lava flows	Pragian to Pragian	Dxd	Cave Hill Sandstone	Quartzitic sandstone, conglomerate	Early Devonian to Early Devonian
Dsob	Tomato Creek Ignimbrite	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation, rheomorphic at base; contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian	Dxe	Lilydale Limestone	Limestone: variably dolomitised, well bedded, pale grey and orange-pink; fossiliferous.	Early Devonian to Early Devonian
Dsoc	Hospital Creek Sandstone	Sandstone: crystal rich, thick-bedded and graded, mudstone, pebbly mudstone; volcanolithic conglomerate; marine turbidite deposits	Pragian to Pragian	Dxg	Eight Mile Loop Rhyolite	Rhyolite: grey to light brown; sparse quartz and feldspar phenocrysts in very fine-grained matrix; flow banded	Early Devonian to Early Devonian
Dsod	Fluke Knob Ignimbrite	Quartz ignimbrite: crystal-rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation; roundstone conglomerate, pebbly sandstone, sandstone; fluvial and pyroclastic deposits	Lochkovian to Pragian	Dxh	Humevale Siltstone	Siltstone: brown, laminated; minor very fine- to fine-grained sandstone laminae and thin beds towards the top of the formation; distal shelf and hemipelagic deposits.	Llandovery to Early Devonian
Dsoo	Moonkan Ignimbrite	Quartz ignimbrite: red to purple, with large quartz and small feldspar phenocrysts	Lochkovian to Pragian	Dxj	Pipeline Volcanics	Lithic quartz ignimbrite: welded coarse ignimbrite, crystals of quartz + feldspar (20%-50%), lithic grains (20%) in a fine foliated matrix (30-60%), flattened pumice; lithics are mostly sandstone and shale; minor quartz-feldspar porphyry: quartz phenocrysts in a fine sericitised matrix.	Early Devonian to Early Devonian
Dsp	Castor Oil Lava	Rhyolite, andesite and basalt: lava dome/cryptodome	Pragian to Pragian	Dxja	Pipeline Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian
Dsqa	Attunga Paringa Formation	Fluvial sediments: Breccia, conglomerate, sandstone, pebbly sandstone: poorly bedded, with poor to fair sorting; variable rounding; lithic clasts predominant and include volcanics, slate, granite; sandstone generally feldspathic to arkosic	Lochkovian to Pragian	Dxl	Liptrap Formation	Thin-bedded quartz-rich sandstone and siltstone with minor sandstone and gritstone, and rare diamictite which contains chert and limestone pebbles.	Lochkovian to Pragian
Dsqb	Carriage Range Ignimbrite	Quartz ignimbrite: range from coarse-grained with very high phenocryst content to finer, less crystal-rich rocks; high cognate lithic content gives rock a clastic appearance	Lochkovian to Pragian	Dxm	Mount Ida Formation	Sandstone, mudstone, conglomerate; marginal marine deposits	Pridoli to Lochkovian
Dsqc	Tin Pot Ignimbrite	Feldspar and quartz ignimbrite: commonly with very low quartz content; generally weathered and poorly exposed	Pragian to Pragian	Dxn	Yeerung River Volcanics	Volcanic breccia: lithic clasts of felsic lava and minor quartzite and limestone; pyroclastic or epiclastic deposit.	Early Devonian to Early Devonian

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Dxna	Yeerung River Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian	Sjs	Sinclair Valley Sandstone	Sandstone, siltstone in variable proportion: sandstone mid- to pale grey; thick to thin-bedded; Tbc, Tabc, Tc turbidites; quartz-rich to micaceous, medium to fine-grained; siltstone generally dark grey; laminated and bioturbated; rare shale contains Ludlow graptolites	Homerian to Gorstian
Dxo	Wonga Schist	Quartz-biotite (cordierite) schist: numerous thin boudinaged quartz veins; psammite beds (1-50 cm) occasionally preserved; nonmagnetic	Cambrian to Cambrian	Sju	Wurutwun Formation	Siltstone, with minor lithic sandstone, conglomerate, limestone lenses, black shale, chert; occasional thick conglomerate with mudstone matrix, large clasts of lithic sandstone and granulestone, chert, siltstone, basalt, limestone; limestone occurs as sharply bounded pods tens of metres across with discordant bedding.	Lochkovian to Emsian
Dxp	Puckapunyal Formation	Fine- to coarse-grained quartz and quartz-lithic arenite, minor conglomerate: parallel and ripple drift cross laminations, and interbedded siltstone and claystone; slump structures, commonly burrowed	Pridoli to Lochkovian	Sjw	Whitelaw Siltstone	Siltstone, minor sandstone: siltstone dark grey; generally finely banded and bioturbated; uppermost portion often without lamination; rare mass-flow deposits with shelly fossils; sandstone thin to very thin-bedded; pale; quartzitic	Ludlow to Pragian
Dxr	Waranga Formation	Claystone: pale grey, extensively burrowed; interbedded siltstone and turbiditic fine- to medium-grained sandstone; thinly bedded, commonly burrowed; with parallel, convolute and ripple drift cross laminations; lower-fan turbidite deposits	Early Devonian to Early Devonian	Sk	Grampians Group	Sandstone: quartz-rich to micaceous or feldspathic; sparse vein quartz pebbles either scattered or in lags; cross-bedded; variable bed thickness; locally abundant trace fossils-mostly burrows and invertebrate trackways in sandstone; rare body fossils in mudstone units; minor polymictic conglomerate and quartzose to micaceous mudstone	Late Ordovician to Early Devonian
Dxu	Arthurs Seat Rhyodacite	Hornblende rhyodacite and dacite, biotite rhyodacite: rhyodacite porphyritic with phenocrysts of perthitic orthoclase and oligoclase, contains accessory ilmenite, apatite, zircon, sphene and pyrite; dacite porphyritic with phenocrysts of quartz, hornblende, oligoclase and minor biotite, contains accessory ilmenite, zircon, apatite and sulphides	Middle Devonian to Late Devonian	Skm	Mount Difficult Subgroup	Quartz sandstone, minor siltstone and mudstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone and mudstone are micaceous. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli
Dxw	Waratah Limestone	Limestone: massive, mid-grey; recrystallized	Lochkovian to Pragian	Skmm	Moora Moora Sandstone	Quartz sandstone: pale; fine to coarse-grained with minor feldspar; planar and cross-laminated, thin to medium-bedded; mud rip-up clasts; Skolithos horizons and ripple surfaces; poorly outcropping; sparse micaceous mudstone	Ludlow to Pridoli
Dyad	Donna Buang Rhyodacite	Rhyodacite: aries from light to dark grey according to degree of crystallization; phenocrysts of plagioclase, biotite, enstatite, rare quartz and K-feldspar; groundmass coarsens towards the top; contains large lithic fragments of underlying rhyodacite.	Late Devonian to Late Devonian	Skms	Serra Sandstone	Quartz sandstone, minor siltstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone intervals prominent in the south of the Grampians Ranges. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli
Dyay	Ythan Creek Rhyodacite	Rhyolite to rhyodacite: ignimbrite; recrystallized; contains large unbroken phenocrysts of plagioclase, small quartz, aggregates of secondary biotite in a fine devitrified groundmass; flow-banded.	Late Devonian to Late Devonian	Skmw	Wartook Sandstone	Sandstone: pale, fine to coarse-grained quartz to quartzo-feldspathic with scattered and lag horizons of sub-rounded vein quartz pebbles towards base: laminated, cross-laminated and rarely trough cross-laminated, medium to thickly-bedded; forms prominent outcrops; minor interbeds of quartz siltstone	Ludlow to Early Devonian
Dycl	Lake Mountain Rhyodacite	Rhyolite to rhyodacite: uniform, porphyritic with abundant phenocrysts of quartz, plagioclase and biotite, minor enstatite, almandine, rare orthoclase, very rare cordierite in fine groundmass; rare pumiceous ignimbrite occurs at the base. Lithic fragments of underlying rock occur at all levels.	Late Devonian to Late Devonian	Skr	Red Man Bluff Subgroup	Sandstone with interbedded siltstone, conglomerate.	Late Ordovician to Llandovery
Dycr	Rubicon Rhyolite	Rhyolite: light bluish-grey, porphyritic; phenocrysts of quartz, biotite, almandine, plagioclase and cordierite; pumiceous ignimbrite at base; base of formation contains concentration of hornfels and andesite lithic fragments.	Late Devonian to Late Devonian	Skra	Major Mitchell Sandstone	Quartz sandstone: reddish-yellow, medium to coarse-grained, somewhat micaceous or feldspathic; laminated, cross-laminated and trough cross-laminated; medium to thickly bedded; abundant Skolithos trace fossils; occasional metre-scale low-angle burrows; pebbly lag horizons of sub-rounded vein quartz below Mount William; forms prominent outcrops; thin interbeds of micaceous siltstone.	Late Ordovician to Ludlow
Dyt	Taggerty Subgroup	Felsic ignimbrites, basalt and andesite lavas, conglomerate, sandstone.	Late Devonian to Late Devonian	Skrg	Gariwerd Sandstone	Sandstone and siltstone: sandstone reddish yellow; quartzo-feldspathic, micaceous; planar and cross-laminated, thin to thick-bedded; pebbly and coarser grained in north.	Late Ordovician to Ludlow
Sbk	Koomberar Formation	Sandstone, conglomerate: sandstone thick to thin-bedded, sandstone and conglomerate both volcanolithic with mafic and lesser rhyolitic rock fragments; minor mudstone; possible rhyolite lava	Silurian to Silurian	Skrk	Kalymna Falls Sandstone	Sandstone: reddish yellow, quartzose to quartzo-feldspathic; fine to medium-grained with occasional pebble lags of subrounded vein quartz; variably laminated; medium to thick-bedded; coarser in the north where it forms prominent outcrops; abundant thin beds of laminated purple siltstone, especially in the south	Late Ordovician to Ludlow
Sbn	Nobby Road Sandstone	Sandstone, siltstone: sandstone quartzose to arkosic; medium to fine-grained; minor feldspathic granule conglomerate	Silurian to Silurian	Skrm	Murray Hill Sandstone	Sandstone: pale yellow; pebbly; quartzo-feldspathic; fine to coarse-grained; variably laminated; medium to thick-bedded; forms prominent outcrops; strong thorium radiometric response suggests relatively high detrital monazite content.	Late Ordovician to Ludlow
Sc	Cobbannah Group	Sandstone, siltstone: sandstone quartzitic, thick to thin bedded, fine to coarse grained, pale grey; siltstone massive to bedded, commonly bioturbated, grey to pale colours	Llandovery to Wenlock	Skrt	Thermopylae Conglomerate	Polymictic conglomerate: pale grey; massive; poorly sorted with an open framework of variably rounded bedrock clasts of vein quartz and veined sandstone; matrix and interbeds of coarse-grained quartzo-feldspathic sandstone; planar and cross laminated, thin to thick-bedded.	Late Ordovician to Ludlow
Sec	Cowombat Siltstone	Siltstone: grey, black and green; interbedded with subordinate sandstone, conglomerate and lenses of limestone.	Pridoli to Pridoli	Skrw	Watgania Gap Sandstone	Sandstone and siltstone: sandstone coarse, quartzo-feldspathic, massive to planar laminated or trough-cross bedded; siltstone laminated, occurs as thin beds	Late Ordovician to Ludlow
Seg	Gibsons Folly Formation	Siltstone, minor sandstone, lavas: sandstone of mixed volcanic and non-volcanic provenance; lavas from stratiform lenses of andesite to dacite.	Pridoli to Pridoli	Sks	Silverband Formation	Micaceous mudstone: red, with thin interbeds of yellowish quartzo-micaceous sandstone; laminated; rippled surfaces, mudcracks and bioturbation; poorly outcropping; sparse fossil fauna of ostracods, brachiopods, and fish spines, teeth and scales.	Ludlow to Ludlow
Set	Thorkidaan Volcanics	Rhyolitic lava, minor volcaniclastics, pyroclastics and shallow intrusions; volcaniclastics are massive, porphyritic with phenocrysts of quartz, K-feldspar, plagioclase and biotite.	Wenlock to Ludlow	Sm	Murrindindi Supergroup	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich in the lower part and lithic in the upper part; siltstone commonly bioturbated; marine to fluvial	Late Ordovician to Middle Devonian
Sj	Jordan River Group	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich, siltstone commonly bioturbated; marine	Silurian to Devonian	So	Omeo Metamorphic Complex	Mica schist, gneiss, migmatite and various S-type granites; low pressure series; medium to high-grade metamorphosed Pinnak Sandstone	Llandovery to Wenlock
Sjb	Bullung Siltstone	Siltstone, minor sandstone: siltstone dark grey, generally finely banded and bioturbated, uppermost portion contains mass-flow deposits with pockets of comminuted shelly fossils; sandstone thin to very thin-bedded, pale, quartzitic	Telychian to Homerian	Sob	Bethgarno Amphibolite	Finely banded amphibolite gneiss with hornblende-rich, biotite-rich and quartz-feldspar layers; contains hornblende, biotite, plagioclase, quartz and minor K-feldspar, with some cummingtonite-quartz-plagioclase layers; variably foliated with common mylonitic bands	Early Ordovician to Llandovery
Sjc	Coopers Creek Limestone	Limestone: mid- to very dark grey; bedded to massive; stylobrecciated; minor chert conglomerate, mudstone; lower well-bedded facies of biomicrite and sparite overlain by upper facies of massive wackestone; fossiliferous	Pragian to Emsian	Soc	Omeo Metamorphic Complex cordierite-garnet granite	Cordieirte- and garnet-bearing biotite granite	Llandovery to Wenlock
Sjd	Donnellys Creek Siltstone	Siltstone, rare sandstone: siltstone dark grey to green-grey; finely banded and bioturbated; sandstone very thinly bedded	Rhuddanian to Aeronian	Soe	Omeo Metamorphic Complex pegmatite	Pegmatite: mainly quartz and feldspar, with some muscovite and tourmaline	Llandovery to Wenlock
Sje	Eildon Sandstone	Sandstone, siltstone: sandstone mid- to pale grey; thick to thin-bedded; medium to fine-grained; often poorly sorted; Tabc, Tbc and Tc turbidite beds often with strongly convolute lamination; siltstone mid- to dark grey; thin to thick-bedded; banded to bioturbated; rare black shale	Lochkovian to Pragian	Sog	Omeo Metamorphic Complex gneiss	Quartzo-feldspathic gneiss: banded; with quartz, biotite, andalusite, cordierite, sillimanite, K-feldspar, plagioclase and rare garnet; calc-silicate nodules	Llandovery to Wenlock
Sji	Wilson Creek Shale	Pyritic black shale, siltstone: black; laminated to thick-bedded; sparsely fossiliferous with plant fossils and graptolites	Pragian to Pragian	Sol	Omeo Metamorphic Complex leucogranite	Undifferentiated leucogranite: muscovite-biotite granite and musovite-biotite-garnet granite: white to pink; fine to coarse-grained.	Llandovery to Wenlock
Sjl	Lazarini Siltstone	Dark grey to green-grey siltstone with bedding in the form of colour banding; abundant dark bioturbation blebs; lowest portion contains interbedded quartz sandstone beds.	Bolindian to Rhuddanian				
Sjm	McAdam Sandstone	Sandstone, siltstone, minor shale: sandstone mid- to pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbides; generally medium to fine-grained; micaceous; siltstone mid- to dark grey; laminated and bioturbated; shale contains rare Llandovery graptolites	Aeronian to Telychian				
Sjn	Murderers Hill Siltstone	Siltstone, minor sandstone: siltstone brown, purple and green; thinly laminated; sandstone pale; thin-bedded; fine-grained; quartzose and lithic	Telychian to Lochkovian				
Sjo	Boola Formation	Siltstone, intercalated with lithic sandstone, conglomerate, limestone lenses: siltstone well bedded to prominently slump-folded; sandstone and conglomerate with mafic meta-igneous, carbonate and chert grains and clasts; limestone olistoliths	Lochkovian to Pragian				
Sjr	Serpentine Creek Sandstone	Sandstone, siltstone: sandstone thick to thin-bedded; coarse to fine-grained; Tabc, Tbc and Tc turbidites; siltstone: laminated and bioturbated	Aeronian to Telychian				

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Som	Omeo Metamorphic Complex migmatite	Quartzo-feldspathic migmatite: banded; with biotite, andalusite, cordierite, sillimanite; light bands are quartz-K-feldspar-plagioclase partial melts, dark bands are restite with biotite, sillimanite, andalusite, cordierite and rare garnet.	Llandovery to Wenlock
Sop	Omeo Metamorphic Complex phyllite	Phyllite, spotted slate, psammite: well foliated to schistose.	Llandovery to Wenlock
Sor	Omeo Metamorphic Complex granodiorite	Biotite granodiorite: medium-grained, equigranular; grey; massive to foliated; rare enclaves of gneiss and small biotite-rich enclaves.	Llandovery to Wenlock
Sos	Omeo Metamorphic Complex schist	Biotite schist, spotted schist: with cordierite, andalusite, sillimanite; quartz-rich psammitic schist; often shows differentiated layering; rare calc-silicate nodules	Llandovery to Wenlock
Spp	Poddy Creek Metamorphics phyllite	Biotite phyllite and psammite; spots of retrogressed cordierite	Llandovery to Wenlock
Sps	Poddy Creek Metamorphics spotted slate	Slate with spots of chlorite, muscovite and sericite; quartz sandstone.	Llandovery to Wenlock
Srg	Goat Rocks Conglomerate	Conglomerate, sandstone: pebble to boulder conglomerate massive to crudely bedded; sorting moderate; generally well rounded; clasts of quartzite, sandstone, chert, gritstone, minor vein quartz; sandstone rare: well sorted with planar and cross-lamination.	Silurian to Devonian
Srk	Kirribilly Siltstone	hornfels	Late Devonian to Late Devonian
Stb	Berrawan Conglomerate	Conglomerate with minor sandstone; includes an interval of sandstone and siltstone, and an interval of vitric-rich ignimbrite and conglomerate.	Ludlow to Pragian
Stl	Blackfellows Flat Conglomerate	Conglomerate, sandstone, pebbly sandstone, mudstone: clasts well rounded, sandstones with high felsic volcanic component. Formation fines upward	Ludlow to Pragian
Sts	Shanahan Sandstone	Sandstone and siltstone, with interbedded ignimbrite, minor lava and volcanogenic rocks at the base.	Ludlow to Pragian
Suc	Kuark Metamorphic Complex - cordierite-andalusite zone	Schist and phyllite containing porphyroblasts of andalusite and/or cordierite in schistose matrix of mica and quartz;. bedding is rarely seen; most cordierite is replaced by fine aggregates of muscovite, biotite and chlorite.	Llandovery to Wenlock
Suk	Kuark Metamorphic Complex - K-feldspar-sillimanite zone	Schist, gneiss and minor migmatite containing biotite, sillimanite, K-feldspar, quartz, cordierite, plagioclase.	Llandovery to Wenlock
Swg	Gibbo River Formation	Siltstone, olive green-brown, laminated; calcareous siltstone; minor lenses of conglomerate, fine grained quartzitic sandstone and limestone.	Ludlow to Pridoli
Swo	Toaks Creek Conglomerate	Pebble conglomerate: massive to crudely bedded, clasts well rounded; with high proportion of rhyolite and porphyry clasts in lower part; minor sandstone lenses	Ludlow to Pridoli
Swu	Undowah Siltstone	Siltstone: grey-green and red, with basal graded volcanogenic sandstone and conglomerate of reworked rhyolite lava clasts	Ludlow to Pridoli
Sxa	Anderson Creek Formation	Sandstone: thick to thin bedded; siltstone, minor conglomerate	Llandovery to Wenlock
Sxb	Broadford Formation	Medium- to thickly bedded, massive quartz arenite and quartz-litharenite with current ripples, and polymictic conglomerate; interbedded with thinly bedded fine-grained turbiditic sandstone,siltstone and claystone.	Llandovery to Pridoli
Sxc	Costerfield Siltstone	Monotonous sequence of laminated to thinly bedded siltstone, minor sandstone towards top, in part pyritic; intensely bioturbated; sparse fossils include crinoid ossicles and a trilobite fragment; deep-marine hemipelagic deposit .	Telychian to Sheinwoodian
Sxd	Deep Creek Siltstone	Siltstone and sandstone: siltstone: dark grey-green, thin to thick-bedded, mostly strongly bioturbated; sandstone: regularly interbedded with siltstone; thin to very thin, commonly with ripple marks; rare conglomerate and diamictite; contains rare graptolites.	Bolindian to Rhuddanian
Sxg	Dargile Formation	Mudstone, minor sandstone and conglomerate: laminated to thinly bedded siltstone with minor current ripples and shelly fossils; fine-grained quartz sandstone and oligomictic cobble conglomerate; deep water marine sediments.	Llandovery to Pridoli
Sxi	McIvor Sandstone	Sandstone: fine to medium grained, well-sorted quartz arenite, minor pebbly sandstone and conglomerate beds also present; massive to thickly bedded; shelly fossils; shallow-marine nearshore deposit.	Llandovery to Pridoli
Sxm	Melbourne Formation	Siltstone and sandstone: mainly thin-bedded; most beds show undisturbed Bouma sequences.	Silurian to Silurian
Sxn	Sardine Conglomerate	Pebble to cobble-conglomerate: massive; minor sandstone; matrix is a mixture of sand, small pebbles and silt; most clasts are micaceous sandstone; minor volcanogenic sandstone.	Llandovery to Pridoli
Sxs	Springfield Sandstone	Sandstone, siltstone and conglomerate: medium to thick bedded, lithic quartz sandstone alternating with grey-green shaly siltstone and thin-bedded sandstone; variably bioturbated, occasional graptolites; deep-marine turbidite fan deposits.	Rhuddanian to Telychian
Sxt	Mitta Mitta Rhyolite	Rhyolite lava: pale grey, massive to autobrecciated; minor intercalated, reworked rhyolitic pyroclastics	Ludlow to Pridoli
Sxw	Wapentake Formation	Sandstone and siltstone: fine to medium-grained quartz sandstone with weathered siltstone interbeds; minor large channels, ripple drift, swaley cross-laminations and burrows; distal continental shelf deposits.	Sheinwoodian to Sheinwoodian
Sy	Yalmy Group	Sandstone, siltstone: thick to thin bedded; sandstone mostly quartzarenite and quartzite with some litharenite; deep-marine turbidite deposits	Llandovery to Llandovery
Sy1	lower sandstone unit	Sandstone; quartzose; medium to very coarse grained; massive to bedded; siltstone; green-grey; thick-bedded.	Llandovery to Llandovery
Sy2	middle siltstone unit	Siltstone: green-grey, thick bedded, laminated to massive; minor quartzitic sandstone; deep-marine deposits.	Llandovery to Llandovery

Code	Name	Description	Age
Sy3	upper sandstone unit	Quartzitic sandstone, mudstone: pale grey to white to green, fine to medium-grained; deep-marine turbidite fan deposits.	Llandovery to Llandovery
Syn	Tongaro Formation	Sandstone, minor mudstone: sandstone pale grey; quartzitic, medium to fine grained; thin to thick-bedded; mudstone green and brown, cleaved; rare conglomerate and massive limestone lenses.	Llandovery to Wenlock
Sys	Seldom Seen Formation	Quartzite, conglomerate, breccia; variably sorted, clast supported conglomerate; debris-flow breccia; pebbly and well sorted sandstone; clasts of chert, quartzite, intermediate to felsic volcanics, shale, black slate; rare mudstone	Llandovery to Wenlock
Syt	Towanga Sandstone	Sandstone, siltstone, minor conglomerate: sandstone: thick to thin bedded; quartzarenite; interbedded with siltstone.	Telychian to Telychian
Oah	Howqua Chert	Black chert, siliceous shale, mafic sandstone, pebbly sandstone and chert conglomerate.	Late Cambrian to Lancefieldian
Oap	Pinnak Sandstone	Sandstone, siltstone, rare chert: sandstone dark to pale grey and green colours; very thick to thin-bedded, turbiditic, moderately sorted, quartz-rich with minor feldspar and detrital mica, thick beds are mostly massive graded (Bouma Ta) and in places with granulestone bases, thinner beds with well-formed laminated and cross-bedded intervals (Bouma Tb and Tc); siltstone dark grey to green; well-bedded, with smooth regular banding	Lancefieldian to Darriwilian
Ob	Bendoc Group	Black shale, cherty shale, stripy thin-bedded sandstone and siltstone, laminated siltstone	Darriwilian to Bolindian
Oba	Akuna Mudstone	Black shale, laminated siliceous siltstone: thinly bedded; thin sandstone beds; rare bioturbated mudstone; dark grey weathered to various pale colours	Bolindian to Bolindian
Obn	New Country Sandstone	Sandstone: dark to mid grey, quartzitic to micaceous; thin to very thick-bedded; interbedded black to grey siltstone and shale, partly micaceous	Bolindian to Bolindian
Obs	Sunlight Creek Formation	Black shale, cherty shale, stripy thin-bedded cross-bedded sandstone and siltstone: medium- to thick-bedded turbiditic grey sandstone, minor mica; siltstone massive to bioturbated; sparse Gisbornian graptolites	Darriwilian to Gisbornian
Obw	Warbisco Shale	Shale: black, siliceous, very rich in graptolites; minor white quartzitic sandstone which is up to ~2m thick.	Gisbornian to Bolindian
Oc	Castlemaine Group	Undifferentiated: sandstone, siltstone, black shale; sparsely fossiliferous; deep marine turbidite and hemipelagic deposits	Lancefieldian to Yapeenian
Ocb	Castlemaine Group - Bendigonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Bendigonian to Bendigonian
Occ	Castlemaine Group - Castlemainian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Castlemainian to Castlemainian
Ocd	Castlemaine Group - Darriwilian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded; diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Darriwilian to Darriwilian
Och	Castlemaine Group - Chewtonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Chewtonian to Chewtonian
Ocl	Castlemaine Group - Lancefieldian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Lancefieldian to Lancefieldian
Ocr	Romsey Subgroup	Sandstone, siltstone, black shale, chert: sandstone various colours; thick to thin-bedded; turbiditic; siltstone: dark green when fresh; generally well bedded; shale: in places richly graptolitic; chert: minor, well bedded.	Late Cambrian to Bendigonian
Ocr2	Stauro Gully Shale plus Split Hill Sandstone plus Bryo Gully Shale	Sandstone, siltstone, shale, chert..	Lancefieldian to Lancefieldian
Ocra	Angry Hill Sandstone	Sandstone, siltstone, black shale: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor black chert: thinly bedded; conglomerate: pale coloured; fine-grained; mostly of rounded vein quartz pebbles; with horizontal lamination and tabular cross-bedding	Lancefieldian to Bendigonian
Ocrb	Bryo Gully Shale	Siltstone, shale: black; generally thin-bedded; siliceous in basal portion; contains sporadic graptolites	Lancefieldian to Lancefieldian
Ocrl	Lano Gully Sandstone	Sandstone, siltstone: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor siltstone; grey; unfossiliferous	Late Cambrian to Lancefieldian
Ocy	Castlemaine Group - Yapeenian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Yapeenian to Yapeenian
Ok	Kiandra Group	Basalt lava, agglomerate, sandstone, chert, black cherty slate	Gisbornian to Gisbornian
Okb	Blueys Creek Formation	Quartz sandstone, siltstone, chert, black slate, dacite and andesite lava, mafic volcanoclastic sandstone	Gisbornian to Gisbornian
Os	Sunbury Group	Shale, sandy shale, minor sandstone and mudstone	Gisbornian to Bolindian
Osb	Bolinda Shale	Black shale, siltstone, sandstone: thinly bedded; black shale and siltstone coarse-grained; micaceous; often richly graptolitic; sandstone pale grey; fairly well sorted; fine to medium-grained; Tbc and Tc sequences	Late Ordovician to Late Ordovician
Osr	Riddell Sandstone	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles.	Gisbornian to Bolindian

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Osre	Riddell Sandstone Eastonian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Eastonian age.	Eastonian to Eastonian	-Cjc	Cobbs Spur Andesite Breccia	Andesite breccia, volcanogenic sandstone, phosphatic shale, limestone megaclasts.	Cambrian to Cambrian
Osrg	Riddell Sandstone Gisbornian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Gisbornian age.	Gisbornian to Gisbornian	-Cjh	Handford Creek Formation	Sandstone, shale, conglomerate: volcanogenic; marine	Cambrian to Cambrian
Ox	Undifferentiated Ordovician/Silurian sedimentary rocks	Sandstone, mudstone, chert	Ordovician to Silurian	-Cjl	Lakelands Flat Andesite Breccia	Andesite breccia, polymictic; minor clinopyroxene-phyric andesite lava; marine	Cambrian to Cambrian
Oxd	Digger Island Marlstone	Limestone, calcareous siltstone; basal conglomerate with chert and igneous rock fragments overlain by thick bedded dolomites with 'brecciated' tops, interbedded with breccia; most of the formation consists of thinly bedded, muddy limestone.	Early Ordovician to Early Ordovician	-Cjm	Warrambat Andesite Breccia	Andesite breccia, massive, vesicular andesite lava.	Cambrian to Cambrian
Oxe	Mount Easton Shale	Black shale, minor sandstone: shale thick-bedded, rarely with soft-sediment folding; sandstone pale grey, thin to thick-bedded, fine to medium-grained, Tbc, Tc, minor Tabc turbidites, micaceous; shale commonly with rich late Middle to Late Ordovician (late Darriwilian to mid-Bolindian) graptolite faunas	Darriwilian to Bolindian	-Cjr	Wrens Flat Andesite	Andesite lava, massive and pillowed.	Cambrian to Cambrian
Oxg	Gooandra Volcanics	Basaltic to andesitic lava and breccia, pillow lava; minor rhyolite, volcaniclastic siltstone and shale; ophitic gabbro; greenschist facies metamorphism; cleavage and schistosity well developed.	Darriwilian to Gisbornian	-Cjs	Whisky Knob Rhyolite	Rhyolite lava, minor rhyolitic volcaniclastics: lava pale green-grey; quartz-phyric; with intercalated crystal-rich sandstone.	Cambrian to Cambrian
Oxp	Phosphate Hill Formation	Chert, siltstone, black shale, phosphorite: chert and siltstone brown and grey; thinly bedded; phosphorite medium to coarse sand-sized; dark green-grey; contains rare Early Ordovician (Lancefieldian) graptolites.	Lancefieldian to Bendigonian	-Cjt	Tobacco Creek Andesite	Andesite lava, andesite breccia, volcanogenic sandstone, limestone.	Cambrian to Cambrian
-Ca	St Arnaud Group	Sandstone, siltstone, biotite schist; sandstone quartzose to feldspathic; deep marine turbidite deposits	Late Cambrian to Late Cambrian	-Cjw	Hardwicke Creek Rhyolite	Rhyolite lava, breccia, volcaniclastic sediments; marine	Cambrian to Cambrian
-Caa	Albion Formation	Interlayered black mudstone with minor siliceous siltstone and calcareous sandstone; base is characterised by strong chlorite +/- stilpnomelane alteration. Unit contains a diverse range of Early Cambrian acritarch fossils, and other fossils from within interbedded siliceous chert bands.	Early Cambrian to Early Cambrian	-Cmg	Glenelg River Metamorphic Complex - biotite granite	Undifferentiated biotite granite: massive to foliated, medium to coarse grained, equigranular, commonly muscovite-bearing; non-magnetic	Middle Cambrian to Early Ordovician
-Cab	Beaufort Formation	Sandstone, mudstone and black shale: sand-poor turbidite facies tectonically modified to phyllite, quartz-mica or graphitic schist; weathered to partly kaolinised; deep marine deposits	Middle Cambrian to Late Cambrian	-Cmg	Glenelg River Metamorphic Complex - leucogranite	Leucogranite including garnet-bearing varieties and pegmatite	Middle Cambrian to Lancefieldian
-Cal	Leviathan Formation	Fine- to medium-grained turbiditic, deep marine sandstone, with minor interbedded siltstone and shale; pervasively muscovite altered.	Early Cambrian to Early Cambrian	-Cmg	Glenelg River Metamorphic Complex - migmatite	Layered to nebulitic gneiss (migmatite) with dark biotite-rich layers and pale granitic layers. Grades into various granite and pegmatite phases	Middle Cambrian to Late Cambrian
-Cap	Pyrenees Formation	Sandstone and mudstone: dominantly sand-rich turbidite facies; moderately to well sorted, variably rounded quartz with minor feldspar and lithic grains in quartz silt or clay matrix; medium to thick bedded; unfossiliferous; weathered to partly kaolinised; deep marine deposits. Mostly nonmagnetic, but some parts are weakly to moderately magnetic.	Middle Cambrian to Early Ordovician	-Cmg	quartzofeldspathic schist with pegmatite	Quartzofeldspathic schist with numerous irregularly shaped pegmatite pods from several to 100 metres across.	Early Cambrian to Middle Cambrian
-Caw	Warrak Formation	Sandstone, interbedded siltstone and shale: deep water; unfossiliferous; sandstones are immature quartzwacke to feldspathic greywacke; mostly grade up into green to brown siltstone; thick blue to black carbonaceous mudstone beds common; fine grained Tbc sandstone beds with cross-laminations, sedimentary slump folds, and carbonate concretions; thin, interbedded Tcd sandstone and siltstone beds form packages up to 15m thick.	Late Cambrian to Late Cambrian	-Cmg	schist, amphibolite and calc-silicate	Mica schist with variable amounts of garnet, staurolite, andalusite and sillimanite; amphibolite; calc-silicate rock; rare ultramafic schist.	Early Cambrian to Middle Cambrian
-Cd	Dookie Igneous Complex	Basalt, microgabbro, gabbro, pyroxenite; affected by low-grade regional metamorphism, with development of albite, actinolite, chlorite, epidote and sericite	Cambrian to Cambrian	-Cmn	Nangeela Formation	Black graphitic slate with pyrite; black dolomitic slate with pyrite; grey to green chlorite-sericite slate and metasiltstone; thin greywacke interbeds	Early Cambrian to Middle Cambrian
-Cg	Cambrian, intrusive rocks	Undifferentiated magnetic granite: biotite granite.	Middle Cambrian to Late Cambrian	-Cmt	Truro Volcanics	Mafic to felsic lavas and intrusives: basalt, andesite dark green, fine-grained; rhyolite cream, quartz-phyric; dolerite and gabbro: dark green; diorite dykes and sills: grey-green; mafic volcaniclastic sandstone and granulstone: dark grey-green; thin interbeds of slate and greywacke. Low regional metamorphic grade, commonly cleaved	Early Cambrian to Early Cambrian
-Ch	Heathcote Volcanic Group	Mafic to minor felsic igneous rocks, sandstone, mudstone, chert	Early Cambrian to Cambrian	-Cn	Nargoon Group	Quartz wacke and slate; thin-bedded	Early Cambrian to Late Cambrian
-Chl	Lazy Bar Andesite	Andesite: fine- to medium-grained, non-vesicular, porphyritic; minor hyaloclastite breccia, andesitic volcanic sandstone, ash with possible pumice; marine to sub-aerial deposit.	Cambrian to Cambrian	-Cng	Glenthompson Sandstone	Sandstone, mudstone, phyllite: fine to coarse-grained; detrital quartz, muscovite, biotite, lithic fragments, K-feldspar and plagioclase in fine-grained matrix (greywacke and sublitharenite); graded Tabc turbidites; anchizone to biotite zone metamorphism; deeply weathered	Early Cambrian to Late Cambrian
-Chm	Mount William Metabasalt	Basalt, microgabbro: basalt dark green; fine-grained; phenocrysts of plagioclase and clinopyroxene; rare pillow structures; microgabbro sills: medium to coarse-grained; equigranular; columnar jointing in some; interflow pyritic shale, black shale, chert, jasper.	Early Cambrian to Middle Cambrian	-Co	Dimboola Igneous Complex	Mafic and ultramafic lava including low-Ti boninite, tholeiite and cumulate gabbro, dolerite, diorite, granophyre; volcaniclastics; greenschist facies metamorphic overprint.	Cambrian to Cambrian
-Chs	Sheoak Gully Boninite	Boninite: phenocrysts of pyroxene, chromite, plagioclase; spherulites; massive with minor pillow lava; minor rhyolite lava, volcanic sandstone, ash, hyaloclastite breccia; deep-marine deposit.	Early Cambrian to Middle Cambrian	-COW	Williamsons Road Serpentinite	Serpentinite: serpentine-chromite-quartz-magnetite rock; highly magnetic	Cambrian to Cambrian
-Cic	Mountain Chief Andesite	Andesitic lava and breccia, volcaniclastic mafic boninite, minor hyaloclastite	Cambrian to Cambrian	-Crc	Carrolls Amphibolite	Hornblende-quartz-feldspar (+/-garnet+/-epidote+/-calc-silicate) schist; minor greenschist; mylonitic in places; amphibolite rock preserves occasional plagioclase phenocrysts, amygdales, and thin pale layers of plagioclase, diopside, garnet, quartz-calcareous layers within the basaltic protolith; from Magdala Volcanics precursor; moderately magnetic; highly magnetic within Devonian contact aureoles	Late Cambrian to Late Cambrian
-Cid	Unnamed microgabbro sill	Intrusive: coarse grained microgabbro sill;	Cambrian to Cambrian	-Crd	Deenicull Schist	Quartz-chlorite (+/-tremolite+/-actinolite+/-biotite) schist; strongly schistose; polydeformed; numerous thin quartz veins; formed from a mix of Magdala Volcanics and Albion and Leviathan Formation precursors? low to highly magnetic	Late Cambrian to Late Cambrian
-Cie	Eagle Peaks Basalt	Marine extrusive: tholeiitic basalt lava, aphyric, massive and pillowed; minor interflow and interpillow cherty sedimentary rocks	Cambrian to Cambrian	-Crg	Good Morning Bill Schist	Quartz-muscovite-biotite (+/-garnet+/-K-feldspar+/-staurolite)schist:coarsely schistose; transposition and mylonitic fabrics and folds ubiquitous; coarsely layered, with quartz and mica domains; occasional thicker psammitic layers from Warrak Formation precursor? nonmagnetic	Middle Cambrian to Late Cambrian
-Cim	Malcolm Creek Hyaloclastite	Boninitic hyaloclastite with occasional beds of pebbly grit and volcaniclastic sandstone	Cambrian to Cambrian	-Crl	Lexington Schist	Quartz-biotite-muscovite-plagioclase (+/-actinolite+/-cordierite+/-andalusite) schist: banded schist with alternating quartz and pelite layers of transposed bedding; low to moderately magnetic	Late Cambrian to Late Cambrian
-Cip	Unnamed olivine pyroxenite sill	Olivine pyroxenite sill: olivine, magnesiochromite and clinoenstatite crystals with interstitial pyroxene, pargasite and glass altered to serpentine	Cambrian to Cambrian	-Crr	Rhymney Schist	Quartz-biotite-graphite schist, black, laminated: thin graded quartz and pelite layers are relict bedding; pelitic layers contain biotite and graphitic material; black, greasy texture; disseminated pyrrhotite and pyrite mineralization; nonmagnetic	Middle Cambrian to Late Cambrian
-Cis	Sheepyard Flat Boninite	Ultramafic boninite lava and volcanic breccia; rare interbeds of finer volcaniclastics and two thin flows of tholeiitic basalt. Includes zones of melange consisting of blocks of boninite, metabasalt, serpentinite and chlorite slate in a dark schistose matrix.	Cambrian to Cambrian	-Cs	Mount Stavely Volcanic Complex	Intermediate to felsic volcanics, volcaniclastics and intrusives: weakly metamorphosed and deformed; moderate to high magnetic response	Middle Cambrian to Middle Cambrian
-Cj1	Undifferentiated Jamieson Volcanic Group	Andesite and dacite: green; highly silicified; includes porphyritic andesite with plagioclase, hornblende and rare quartz, clinopyroxene and K-feldspar; flow-banded in places	Cambrian to Cambrian	-Csf	Fairview Andesitic Breccia	Andesitic breccia: massive; minor andesite and basalt lava	Cambrian to Cambrian
-Cj2	serpentinite	Serpentinite: green; fine-grained; foliated; relict granular texture; rare relict pyroxene phenocrysts; contains talc, with accessory hornblende, plagioclase, magnetite, chrome spinel.	Cambrian to Cambrian	-Csl	Lalkaldarno Porphyry	Porphyritic hornblende tonalite with phenocrysts of plagioclase, quartz, hornblende and augite in a fine grained quartzo-feldpathic mosaic; high-level intrusion	Middle Cambrian to Middle Cambrian
-Cjb	Brissces Hut Andesite	Andesite lava, clinopyroxene-phyric; marine	Cambrian to Cambrian	-Csn	Nanapundah Tuff	Andesitic crystal lithic volcanic sandstone: massive, variably sorted, partly laminated.	Cambrian to Cambrian
				-Cst	Towanway Tuff	Dacitic crystal lithic volcanic sandstone; minor laminated chert and volcanic siltstone	Early Cambrian to Late Cambrian
				-Ctg	Garvey Gully Formation	Chert, volcaniclastic sandstone, mudstone, limestone. Base is a conglomerate with clasts of andesite, serpentinite, metadolerite, metagabbro, and minor rhyolite and shale.	Cambrian to Cambrian
				-Cx	Cambrian, sedimentary rocks	Chert, volcaniclastic sandstone, mudstone, conglomerate, limestone.	Cambrian to Cambrian

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Code	Name	Description	Age
-Cxc	Ceres Gabbro	Metagabbro: weakly deformed to mylonitic; amphibolite facies, with hornblende, plagioclase and relict igneous clinopyroxene.	Neoproterozoic to Cambrian
-Cxd	Magdala Volcanics	Mafic volcanic rocks, predominantly basalt, metamorphosed to upper greenschist or amphibolite facies: moderately magnetic	Cambrian to Cambrian
-Cyg	Goldie Chert	Chert, siliceous siltstone, shale: black to pale-coloured; thin-bedded; pyritic in places; with rough stylolitic bedding planes	Late Cambrian to Late Cambrian
-Cxh	Hummocks Serpentine	Serpentine: massive, dark green, cumulate texture locally preserved; talc schist; massive chlorite-magnetite rock. Relic pyroxene indicated by exsolution lamellae defined by magnetite granules	Precambrian to Middle Cambrian
-Cxi	Wild Dog Chert	Chert: dark grey; massive to bedded; contains radiolaria.	Late Cambrian to Early Ordovician
-Cxx	Knowsley East Shale	Shale, mudstone, sandstone, conglomerate, slump deposits: black shale and black mudstone predominant, thinly bedded; chert minor, laminated to thickly bedded; sandstone thin to thick-bedded, turbiditic, derived from mafic igneous rocks; conglomerates monomictic with chert breccia or polymictic; shale sparsely fossiliferous with trilobites, phosphatic brachiopods and hydroids	Middle Cambrian to Late Cambrian
-Cxy	Cambrian metamorphosed mafic volcanics	Metadiorite, metagabbro, metadolerite, metabasalt, meta-basaltic lapilli tuff; greyish-green, massive, fine- to medium-grained; low-K tholeiite suite with metamorphic minerals including actinolite, chlorite, epidote, albite, sphene, pumpellyite, prehnite and sericite; sub-greenschist to greenschist facies regional metamorphism	Early Cambrian to Middle Cambrian
-Cxx	Wahroonga Breccia	Sandstone, breccia: green-grey; massive to well-bedded; medium to very thick-bedded; phosphatic; abundant lithic clasts; contains brachiopod and phyllocarid fossils	Middle Cambrian to Late Cambrian
Yan	Angusvale Dyke Swarm	Quartz diorite, quartz microdiorite, andesite, minor feldspar-quartz porphyry and rare rhyolite dykes; diorite contains hornblende and biotite, microdiorite contains hornblende, andesite contains hornblende and pyroxene, and felsic rocks contain biotite and hornblende; alteration is common.	Early Devonian to Middle Devonian
Y-ap	dyke, aplite	Aplite dyke	Silurian to Carboniferous
Y-bs	dykes and plugs, basalt	Basalt: dark grey to black, fine grained; contains olivine, pyroxene; occurs as small plugs and rare dykes; highly to intensely magnetic	Jurassic to Quaternary
Y-dim	dyke, metadiorite	Metadiorite dykes and sills; massive to foliated; greenschist to amphibolite facies metamorphism	Early Cambrian to Carboniferous
Y-Dp	dyke, ring dyke	Quartz-feldspar porphyry: quartz and feldspar in variable amounts; usually as large euhedral crystals; minor biotite in an altered glassy groundmass	Early Devonian to Middle Devonian
Y-F	dyke, felsic	Felsic dykes: fine to coarse-grained, glassy to porphyritic, greenish-grey to reddish; somewhat variable assemblage of quartz, feldspar, biotite and hornblende in a glassy groundmass	Silurian to Carboniferous
Y-gr	dyke, granite	Granite dyke	Silurian to Carboniferous
Y-in	dyke, intermediate	Intermediate dyke	Phanerozoic to Phanerozoic
Y-Mz	dykes and plugs	Volcanic plugs and dykes: basaltic, nephelinitic, dioritic; normally and reversely magnetised (subsurface only)	Mesozoic to Mesozoic
Y-py-	dyke, quartz-feldspar porphyry	Quartz-feldspar porphyry dyke	Silurian to Devonian
Ywp	Woods Point Dyke Swarm	Hornblende-biotite quartz diorite and quartz monzonite, hornblende-biotite gabbro, hornblende-augite-biotite quartz gabbro, kaersutite-phlogopite peridotite, quartz and feldspar bearing porphyry; medium grained; common hydrothermal alteration; commonly weathered to orange sandy clay.	Late Devonian to Late Devonian

Appendix

Ordered by Code

Code	Name	Description	Age
-Ca	St Arnaud Group	Sandstone, siltstone, biotite schist; sandstone quartzose to feldspathic; deep marine turbidite deposits	Late Cambrian to Late Cambrian
-Caa	Albion Formation	Interlayered black mudstone with minor siliceous siltstone and calcareous sandstone; base is characterised by strong chlorite +/- stilpnomelane alteration. Unit contains a diverse range of Early Cambrian acritarch fossils, and other fossils from within interbedded siliceous chert bands.	Early Cambrian to Early Cambrian
-Cab	Beaufort Formation	Sandstone, mudstone and black shale: sand-poor turbidite facies tectonically modified to phyllite, quartz-mica or graphitic schist; weathered to partly kaolinised; deep marine deposits	Middle Cambrian to Late Cambrian
-Cal	Leviathan Formation	Fine- to medium-grained turbiditic, deep marine sandstone, with minor interbedded siltstone and shale; pervasively muscovite altered.	Early Cambrian to Early Cambrian
-Cap	Pyrenees Formation	Sandstone and mudstone: dominantly sand-rich turbidite facies; moderately to well sorted, variably rounded quartz with minor feldspar and lithic grains in quartz silt or clay matrix; medium to thick bedded; unfossiliferous; weathered to partly kaolinised; deep marine deposits. Mostly nonmagnetic, but some parts are weakly to moderately magnetic.	Middle Cambrian to Early Ordovician
-Caw	Warrak Formation	Sandstone, interbedded siltstone and shale: deep water; unfossiliferous; sandstones are immature quartzwacke to feldspathic greywacke; mostly grade up into green to brown siltstone; thick blue to black carbonaceous mudstone beds common; fine grained Tbc sandstone beds with cross-laminations, sedimentary slump folds, and carbonate concretions; thin, interbedded Tcd sandstone and siltstone beds form packages up to 15m thick.	Late Cambrian to Late Cambrian
-Cd	Dookie Igneous Complex	Basalt, microgabbro, gabbro, pyroxenite; affected by low-grade regional metamorphism, with development of albite, actinolite, chlorite, epidote and sericite	Cambrian to Cambrian
-Cg	Cambrian, intrusive rocks	Undifferentiated magnetic granite: biotite granite.	Middle Cambrian to Late Cambrian
-Ch	Heathcote Volcanic Group	Mafic to minor felsic igneous rocks, sandstone, mudstone, chert	Early Cambrian to Cambrian
-Chl	Lazy Bar Andesite	Andesite: fine- to medium-grained, non-vesicular, porphyritic; minor hyaloclastite breccia, andesitic volcanic sandstone, ash with possible pumice; marine to sub-aerial deposit.	Cambrian to Cambrian
-Chm	Mount William Metabasalt	Basalt, microgabbro: basalt dark green; fine-grained; phenocrysts of plagioclase and clinopyroxene; rare pillow structures; microgabbro sills: medium to coarse-grained; equigranular; columnar jointing in some; interflow pyritic shale, black shale, chert, jasper.	Early Cambrian to Middle Cambrian
-Chs	Sheoak Gully Boninite	Boninite: phenocrysts of pyroxene, chromite, plagioclase; spherulites; massive with minor pillow lava; minor rhyolite lava, volcanic sandstone, ash, hyaloclastite breccia; deep-marine deposit.	Early Cambrian to Middle Cambrian
-Cic	Mountain Chief Andesite	Andesitic lava and breccia, volcanoclastic mafic boninite, minor hyaloclastite	Cambrian to Cambrian
-Cid	Unnamed microgabbro sill	Intrusive: coarse grained microgabbro sill;	Cambrian to Cambrian
-Cie	Eagle Peaks Basalt	Marine extrusive: tholeiitic basalt lava, aphyric, massive and pillowed; minor interflow and interpillow cherty sedimentary rocks	Cambrian to Cambrian
-Cim	Malcolm Creek Hyaloclastite	Boninitic hyaloclastite with occasional beds of pebbly grit and volcanoclastic sandstone	Cambrian to Cambrian
-Cip	Unnamed olivine pyroxenite sill	Olivine pyroxenite sill: olivine, magnesiochromite and clinoenstatite crystals with interstitial pyroxene, pargasite and glass altered to serpentine	Cambrian to Cambrian
-Cis	Sheepyard Flat Boninite	Ultramafic boninite lava and volcanic breccia; rare interbeds of finer volcanoclastics and two thin flows of tholeiitic basalt. Includes zones of melange consisting of blocks of boninite, metabasalt, serpentinite and chlorite slate in a dark schistose matrix.	Cambrian to Cambrian
-Cj1	Undifferentiated Jamieson Volcanic Group	Andesite and dacite; green; highly silicified; includes porphyritic andesite with plagioclase, hornblende and rare quartz, clinopyroxene and K-feldspar; flow-banded in places	Cambrian to Cambrian
-Cj2	serpentinite	Serpentinite: green; fine-grained; foliated; relict granular texture; rare relict pyroxene phenocrysts; contains talc, with accessory hornblende, plagioclase, magnetite, chrome spinel.	Cambrian to Cambrian
-Cjb	Brissces Hut Andesite	Andesite lava, clinopyroxene-phyric; marine	Cambrian to Cambrian
-Cjc	Cobbs Spur Andesite Breccia	Andesite breccia, volcanogenic sandstone, phosphatic shale, limestone megaclasts.	Cambrian to Cambrian
-Cjh	Handford Creek Formation	Sandstone, shale, conglomerate: volcanogenic; marine	Cambrian to Cambrian
-Cjl	Lakelands Flat Andesite Breccia	Andesite breccia, polymictic; minor clinopyroxene-phyric andesite lava; marine	Cambrian to Cambrian
-Cjm	Warrambat Andesite Breccia	Andesite breccia, massive, vesicular andesite lava.	Cambrian to Cambrian
-Cjr	Wrens Flat Andesite	Andesite lava, massive and pillowed.	Cambrian to Cambrian
-Cjs	Whisky Knob Rhyolite	Rhyolite lava, minor rhyolitic volcanoclastics: lava pale green-grey; quartz-phyric; with intercalated crystal-rich sandstone.	Cambrian to Cambrian
-Cjt	Tobacco Creek Andesite	Andesite lava, andesite breccia, volcanogenic sandstone, limestone.	Cambrian to Cambrian
-Cjw	Hardwicke Creek Rhyolite	Rhyolite lava, breccia, volcanoclastic sediments; marine	Cambrian to Cambrian

Code	Name	Description	Age
-Cmg	Glenelg River Metamorphic Complex - biotite granite	Undifferentiated biotite granite: massive to foliated, medium to coarse grained, equigranular, commonly muscovite-bearing; non-magnetic	Middle Cambrian to Early Ordovician
-Cmg	Glenelg River Metamorphic Complex - leucogranite	Leucogranite including garnet-bearing varieties and pegmatite	Middle Cambrian to Lancefieldian
-Cmg	Glenelg River Metamorphic Complex - migmatite	Layered to nebulitic gneiss (migmatite) with dark biotite-rich layers and pale granitic layers. Grades into various granite and pegmatite phases	Middle Cambrian to Late Cambrian
-Cmg	quartzofeldspathic schist with pegmatite	Quartzofeldspathic schist with numerous irregularly shaped pegmatite pods from several to 100 metres across.	Early Cambrian to Middle Cambrian
-Cmg	schist, amphibolite and calc-silicate	Mica schist with variable amounts of garnet, staurolite, andalusite and sillimanite; amphibolite; calc-silicate rock; rare ultramafic schist.	Early Cambrian to Middle Cambrian
-Cmn	Nangeela Formation	Black graphitic slate with pyrite; black dolomitic slate with pyrite; grey to green chlorite-sericite slate and metasilstone; thin greywacke interbeds	Early Cambrian to Middle Cambrian
-Cmt	Truro Volcanics	Mafic to felsic lavas and intrusives: basalt, andesite dark green, fine-grained; rhyolite cream, quartz-phyric; dolerite and gabbro: dark green; diorite dykes and sills: grey-green; mafic volcanoclastic sandstone and granulestone: dark grey-green; thin interbeds of slate and greywacke. Low regional metamorphic grade, commonly cleaved	Early Cambrian to Early Cambrian
-Cn	Nargoon Group	Quartz wacke and slate; thin-bedded	Early Cambrian to Late Cambrian
-Cng	Glenthompson Sandstone	Sandstone, mudstone, phyllite: fine to coarse-grained; detrital quartz, muscovite, biotite, lithic fragments, K-feldspar and plagioclase in fine-grained matrix (greywacke and sublitharenite); graded Tabe turbidites; anchizone to biotite zone metamorphism; deeply weathered	Early Cambrian to Late Cambrian
-Co	Dimboola Igneous Complex	Mafic and ultramafic lava including low-Ti boninite, tholeiite and cumulate gabbro, dolerite, diorite, granophyre; volcanoclastics; greenschist facies metamorphic overprint.	Cambrian to Cambrian
-Cow	Williamsons Road Serpentinite	Serpentinite: serpentine-chromite-quartz-magnetite rock; highly magnetic	Cambrian to Cambrian
-Crc	Carrolls Amphibolite	Hornblende-quartz-feldspar (+/-garnet+/-epidote+/-calc-silicate) schist; minor greenschist; mylonitic in places; amphibolite rock preserves occasional plagioclase phenocrysts, amygdales, and thin pale layers of plagioclase, diopside, garnet, quartz-calcareous layers within the basaltic protolith; from Magdala Volcanics precursor; moderately magnetic; highly magnetic within Devonian contact aureoles	Late Cambrian to Late Cambrian
-Crd	Deenicull Schist	Quartz-chlorite (+/-tremolite+/-actinolite+/-biotite) schist; strongly schistose; polydeformed; numerous thin quartz veins; formed from a mix of Magdala Volcanics and Albion and Leviathan Formation precursors? low to highly magnetic	Late Cambrian to Late Cambrian
-Crg	Good Morning Bill Schist	Quartz-muscovite-biotite (+/-garnet+/-K-feldspar+/-staurolite)schist:coarsely schistose; transposition and mylonitic fabrics and folds ubiquitous; coarsely layered, with quartz and mica domains; occasional thicker psammitic layers from Warrak Formation precursor? nonmagnetic	Middle Cambrian to Late Cambrian
-Crl	Lexington Schist	Quartz-biotite-muscovite-plagioclase (+/-actinolite+/-cordierite+/-andalusite) schist: banded schist with alternating quartz and pelite layers of transposed bedding; low to moderately magnetic	Late Cambrian to Late Cambrian
-Crr	Rhymney Schist	Quartz-biotite-graphite schist, black, laminated: thin graded quartz and pelite layers are relict bedding; pelitic layers contain biotite and graphitic material; black, greasy texture; disseminated pyrrhotite and pyrite mineralization; nonmagnetic	Middle Cambrian to Late Cambrian
-Cs	Mount Stavely Volcanic Complex	Intermediate to felsic volcanics, volcanoclastics and intrusives: weakly metamorphosed and deformed; moderate to high magnetic response	Middle Cambrian to Middle Cambrian
-Csf	Fairview Andesitic Breccia	Andesitic breccia: massive; minor andesite and basalt lava	Cambrian to Cambrian
-Csl	Lalkaldarno Porphyry	Porphyritic hornblende tonalite with phenocrysts of plagioclase, quartz, hornblende and augite in a fine grained quartzo-feldpathic mosaic; high-level intrusion	Middle Cambrian to Middle Cambrian
-Csn	Nanapundah Tuff	Andesitic crystal lithic volcanic sandstone: massive, variably sorted, partly laminated.	Cambrian to Cambrian
-Cst	Towanway Tuff	Dacitic crystal lithic volcanic sandstone; minor laminated chert and volcanic siltstone	Early Cambrian to Late Cambrian
-Ctg	Garvey Gully Formation	Chert, volcanoclastic sandstone, mudstone, limestone. Base is a conglomerate with clasts of andesite, serpentinite, metadolerite, metagabbro, and minor rhyolite and shale.	Cambrian to Cambrian
-Cx	Cambrian, sedimentary rocks	Chert, volcanoclastic sandstone, mudstone, conglomerate, limestone.	Cambrian to Cambrian
-Cxc	Ceres Gabbro	Metagabbro: weakly deformed to mylonitic; amphibolite facies, with hornblende, plagioclase and relict igneous clinopyroxene.	Neoproterozoic to Cambrian
-Cxd	Magdala Volcanics	Mafic volcanic rocks, predominantly basalt, metamorphosed to upper greenschist or amphibolite facies: moderately magnetic	Cambrian to Cambrian
-Cyg	Goldie Chert	Chert, siliceous siltstone, shale: black to pale-coloured; thin-bedded; pyritic in places; with rough stylolitic bedding planes	Late Cambrian to Late Cambrian
-Cxh	Hummocks Serpentinite	Serpentinite: massive, dark green, cumulate texture locally preserved; talc schist; massive chlorite-magnetite rock. Relic pyroxene indicated by exsolution lamellae defined by magnetite granules	Precambrian to Middle Cambrian
-Cxi	Wild Dog Chert	Chert: dark grey; massive to bedded; contains radiolaria.	Late Cambrian to Early Ordovician

Ordered by Code

Code	Name	Description	Age
-Cxx	Knowsley East Shale	Shale, mudstone, sandstone, conglomerate, slump deposits: black shale and black mudstone predominant, thinly bedded; chert minor, laminated to thickly bedded; sandstone thin to thick-bedded, turbiditic, derived from mafic igneous rocks; conglomerates monomictic with chert breccia or polymictic; shale sparsely fossiliferous with trilobites, phosphatic brachiopods and hydroids	Middle Cambrian to Late Cambrian
-Cxxv	Cambrian metamorphosed mafic volcanics	Metadiorite, metagabbro, metadolerite, metabasalt, meta-basaltic lapilli tuff; greyish-green, massive, fine- to medium-grained; low-K tholeiite suite with metamorphic minerals including actinolite, chlorite, epidote, albite, sphene, pumpellyite, prehnite and sericite; sub-greenschist to greenschist facies regional metamorphism	Early Cambrian to Middle Cambrian
-Cxxw	Wahroonga Breccia	Sandstone, breccia: green-grey; massive to well-bedded; medium to very thick-bedded; phosphatic; abundant lithic clasts; contains brachiopod and phyllocarid fossils	Middle Cambrian to Late Cambrian
Czf	duricrust	Ferricrete, silcrete: duricrust	Miocene to Quaternary
Czg	conglomerate and sandstone	Conglomerate, quartz sandstone and siltstone: consolidated to commonly ferruginised; variably sorted; cross-bedding common	Paleocene to Pliocene
Dab	Avon Supergroup - basalt	Basalt: black to greenish, commonly amygdaloidal; alteration common with abundant chlorite	Late Devonian to Late Devonian
Dad	Delatite Group	Red siltstone, minor sandstone, conglomerate	Late Devonian to Late Devonian
Dadc	Callemondah Conglomerate	Conglomerate, sandstone, mudstone: conglomerate is polymictic with imbricated pebbles and cobbles of vein quartz, metasedimentary rock, chert, siltstone; forms prominent bluffs. Sandstone and mudstone red; sandstone lithic	Late Devonian to Late Devonian
Dadk	Kevington Creek Formation	Mudstone, minor sandstone, occasional conglomerate: mudstone red; sandstone thick-bedded, trough- and tabular cross-bedded; quartz-lithic, micaceous; conglomerates form bases of upward-fining sequences.	Late Devonian to Late Devonian
Dadm	Moroka Glen Formation	Conglomerate, pebbly sandstone, sandstone, and red and grey mudstone: upward fining sequence; clasts are well-rounded and consist of quartzite, sandstone, vein quartz, chert and minor mudstone in a quartzose or clayey matrix; sparse basalt flows.	Late Devonian to Late Devonian
Damk	Mount Kent Conglomerate	Conglomerate, pebbly sandstone, minor red mudstone: conglomerate massive to crudely bedded, well sorted, generally pale, forms large outcrops; clasts rounded, mostly of sandstone/quartzite; sandstone tabular, commonly with large-scale cross bedding and channeled bases	Famennian to Famennian
Dams	Snowy Plains Formation	Mudstone, sandstone: red mudstone generally poorly bedded, sandstone pale-coloured, quartz-rich; upward-fining with minor conglomerate near base	Famennian to Carboniferous
Daw	Wellington Volcanic Group	Rhyolite and rhyodacite ignimbrite, sedimentary units.	Givetian to Frasnian
Dawb	Bindaree Formation	Boulder conglomerate, green mudstone, black shale.	Late Devonian to Late Devonian
Dawh	Highton Volcanics	Consists of three units. 1: lava unit: lenticular unit of andesite lava, flow breccia and andesitic volcanoclastics. 2: clastic unit: <20 m of volcanolithic conglomerate and sandstone. 3: ignimbrite unit: <120 m welded garnet-bearing rhyolitic ignimbrite with prominent fiamme.	Late Devonian to Late Devonian
Dawo	Howitt Spur Formation	Sandstone and siltstone: sandstone unit: <150 m of upward fining pebble/cobble conglomerate, sandstone, minor mudstone; siltstone unit: ~400 m of brown siltstone and thin sandstone; rhyodacite unit <50m thick near top.	Late Devonian to Late Devonian
Dawr	Refrigerator Gap Dacite	Thin tabular flows of massive dacitic lava and occasional hyaloclastite, with a 20 m thick unit of black laminated shale intercalated.	Late Devonian to Late Devonian
Dbb	Buchan Caves Limestone	Limestone and dolomite: black to grey; thickly bedded, graded calcarenite to calcilutite, skeletal or peloidal grainstone and wackestone; base massive with few fossils, becoming more fossiliferous upwards. Minor siliceous bands at Gillingall; jasperoidal silica at The Basin; some volcanoclastic sediments near the base.	Pragian to Emsian
Dbm	Murrindal Limestone	Limestone: massive, pale grey, recrystallized; also fossiliferous bedded limestone	Emsian to Emsian
Dbt	Taravale Marlstone	Marlstone, mudstone, nodular limestone, calcareous siltstone and minor dolomite; blue-grey, green grey to pale brown and white with dark limestone nodules, poorly to well bedded.	Emsian to Emsian
Dc	Cathedral Group	Fluvial: red and green sandstone, siltstone, conglomerate	Emsian to Emsian
Ddd	Dart River Volcanic Breccia	Breccia, poorly sorted, with clasts and occasional megaclasts of Ordovician bedrock, ignimbrite, andesite, granite and limestone	Early Devonian to Early Devonian
Ddh	Dartella Volcanic Group - dyke	Hornblende-feldspar porphyry dyke: dark green, fine grained; plagioclase phenocrysts up to 3 mm long; highly magnetic	Early Devonian to Middle Devonian
Ddl	Larsen Creek Ignimbrite	Rhyolitic ignimbrite, tuff: feldspar ignimbrite, variable phenocryst content and quartz/feldspar ratio, densely welded groundmass, often pumiceous with well developed eutaxitic foliation; in places with abundant fragments of Wallaby Granite, biotite schist and Bendoc Group rocks	Early Devonian to Early Devonian
Ddm	Murtagh Creek Ignimbrite	Rhyolitic ignimbrite, minor breccia, lahar deposits: rhyolitic red quartz ignimbrite with large quartz and feldspar ignimbrite and cognate porphyry pyroclasts, with very abundant slate lithic fragments in the west; breccias rich in bedrock lithics	Early Devonian to Middle Devonian
Dds	Sheevers Spur Ignimbrite	Dacitic pyroxene-feldspar ignimbrite: grey-green; medium-grained; moderate to high phenocryst content; densely welded	Early Devonian to Early Devonian
Ddt	Tabor Volcanics	Lava and volcanogenic sediments: basaltic andesite, dark blue-green, minor unwelded felsic ignimbrite and ashstone	Early Devonian to Middle Devonian
Deo	Boulder Flat Limestone	Limestone: massive, dark grey, recrystallized to stylonbrecciated; black shale; minor dolomite.	Early Devonian to Early Devonian

Code	Name	Description	Age
Deu	Bungywar Formation	Sandstone and pebble conglomerate, including volcanoclastics; interbedded ignimbrite-like rocks are unwelded; minor rhyolitic lava is surrounded by hyaloclastite	Early Devonian to Early Devonian
Dfb	Besford Ignimbrite	Rhyolitic quartz ignimbrite: red, crystal-rich, with large quartz and feldspar phenocrysts and minor biotite in a welded groundmass	Emsian to Emsian
Dfs	Sloan Knob Microgranite	Ring dyke: coarse quartz-feldspar porphyry with large euhedral crystals of quartz and feldspar and some biotite in a finer groundmass of the same minerals; glassy rhyolite with rare quartz phenocrysts.	Early Devonian to Early Devonian
Dg	Devonian, granite	Granite, granodiorite	Devonian to Devonian
Dgp	quartz diorite	Hornblende quartz diorite: fine grained, massive, with large hornblende phenocrysts	Early Devonian to Early Devonian
Dgu	Devonian leucogranite	Unnamed leucogranite: grey, medium grained; contains minor biotite; massive; nonmagnetic	Early Devonian to Late Devonian
Dh	White Monkey Volcanic Group	Felsic ignimbrite, minor conglomerate, sandstone	Early Devonian to Early Devonian
Dha	Mackieson Spur Tuff	Vitric ignimbrite with wispy attenuated pumice fragments, ash and fine sandstone	Early Devonian to Early Devonian
Dhb	Bass Camp Ignimbrite	Quartz-pink feldspar ignimbrite: red with large pumice fragments; occasional cavities	Early Devonian to Early Devonian
Dhd	Douglas Ignimbrite	Feldspar ignimbrite: brown with minor quartz phenocrysts and abundant red pumice fragments	Early Devonian to Early Devonian
Dhm	Minchin Ignimbrite	Vitric ignimbrite, small quartz and feldspar phenocrysts in green-grey or red fine matrix; lithic clasts include ignimbrite, glassy lava, sediment from Yalmy Group.	Early Devonian to Early Devonian
Dho	Bowen Track Ignimbrite	Quartz-feldspar ignimbrite. coarse, abundant white feldspar and large quartz grains set in a welded black glassy groundmass. Aggregates of feldspar are common. Minor small felsic lava or sedimentary lithics, occasional pumice clasts.	Early Devonian to Early Devonian
Di1	Violet Town Volcanic Group - rhyolite	Rhyolite: ignimbrite; phenocrysts of orthoclase and euhedral quartz in a fluidal groundmass containing cordierite, garnet and biotite.	Late Devonian to Late Devonian
Di2	Violet Town Volcanic Group - rhyodacite	Rhyodacite: ignimbrite; phenocrysts of orthoclase, euhedral quartz, plagioclase, biotite and uncommon enstatite, cordierite and garnet in a microgranular groundmass of quartz and feldspar; recrystallization commonly obliterates eutaxitic fabric; sedimentary xenoliths common near the base.	Late Devonian to Late Devonian
Djc	Coldstream Rhyolite	Rhyolite lava: coherent flow-banded to autobrecciated; dark greenish to bluish grey, with occasional phenocrysts of andesine in a cryptocrystalline matrix of oligoclase and orthoclase, choritised biotite, little quartz.	Late Devonian to Late Devonian
Dje	Mount Evelyn Rhyodacite	Rhyolite to rhyodacite ignimbrite: welded; phenocryst-rich with gradation from quartz rich to more abundant oligoclase and orthoclase, and plagioclase on top. Contains lithic fragments of bedrock and Coldstream Rhyolite. Uppermost part is a thin band of volcanogenic sediments.	Late Devonian to Late Devonian
Djf	Ferny Creek Rhyodacite	Biotite-hypersthene rhyodacite ignimbrite: recrystallized; chilled glassy base shows traces of eutaxitic foliation parallel to the sediment band below; becomes increasingly crystalline and phenocryst-rich upwards.	Late Devonian to Late Devonian
Djk	Kalorama Rhyodacite	Garnet-bearing rhyodacite ignimbrite: recrystallized; siltstone; lacustrine; lenticulate at base overlain by recrystallised dark vitric-rich ignimbrite with large phenocrysts of quartz, feldspar, occasional almandine garnet, which is overlain by thin band of volcanogenic lacustrine sediments.	Late Devonian to Late Devonian
Djy	Yellingbo Porphyry	Quartz-feldspar porphyry: mid- to dark grey; large quartz and smaller feldspar phenocrysts, minor biotite in fine-grained groundmass	Late Devonian to Late Devonian
Dk	intrusive breccia	Breccia: angular schist and hornfels fragments aligned in a matrix of quartz, fractured schist and granodiorite	Early Devonian to Early Devonian
Dla	Mount Elizabeth Caldera Complex - rhyolite	Rhyolite: aphyric to sparsely porphyritic; massive to flow-banded; fine sugary texture where weathered; small phenocrysts of quartz, feldspar, altered biotite	Early Devonian to Early Devonian
Dlf	Fainting Range Ignimbrite	Vitric ignimbrite: black; pumiceous; up to 10% feldspar and rare quartz phenocrysts	Early Devonian to Early Devonian
Dls	Slater Ignimbrite	Quartz ignimbrite: purple-red with pink pumice, coarse-grained with up to 40% crystal content; contains biotite; densely welded throughout	Early Devonian to Early Devonian
Dmg	granodiorite porphyry	Granodiorite porphyry: dark grey; fine-grained with phenocrysts of quartz, feldspar, biotite	Middle Devonian to Middle Devonian
Dmh	Hesket Ignimbrite	Rhyolite ignimbrite: red to dark grey; fine-grained; vitric-rich; with garnet phenocrysts; densely welded to rheomorphic.	Late Devonian to Late Devonian
Dmw	Willimigongong Ignimbrite	Enstatite-feldspar rhyodacite with high phenocryst content: dark grey; mostly recrystallised but some layers contain abundant lithic fragments including: basalt, siltstone, and glassy felsic volcanic rock	Late Devonian to Late Devonian
Dn	Walhalla Group	Sandstone, mudstone, minor conglomerate; marine turbidites and mass-flow deposits	Emsian to Emsian
Dne	East Lookout Siltstone	Siltstone, sandstone, minor shale: siltstone dark green-grey to occasionally black; thinly bedded, shaley; minor black shale; sandstone pale grey; thin- to occasionally medium-bedded; very fine to medium-grained; well sorted; quartz-rich	Pragian to Emsian
Dne-S	East Lookout Siltstone-Wilson Creek Shale	Interbedded, thinly bedded, grey siltstone and black shale.	Pragian to Emsian

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Code	Name	Description	Age	Code	Name	Description	Age
Dnm	Montys Hut Formation	Predominantly siltstone, sometimes interbedded with sandstone. mostly thin-bedded with planar and laterally continuous beds.Siltstone: dark green-grey to occasionally black; thinly bedded, shaly; occasionally with flat burrows. Sandstone: pale grey; thin- to minor medium-, rarely thick-bedded; very fine to medium-grained; well sorted; quartz-rich	Emsian to Emsian	Dsgg	Lookout Top Ignimbrite	Quartz-feldspar ignimbrite with large quartz and orange feldspar phenocrysts, red pumice fragments	Pragian to Pragian
Dnn	Norton Gully Sandstone	Sandstone, siltstone, minor shale, conglomerate, diamictite, limestone: sandstone thick to thin bedded; Ta-c, Tbc, Tc turbidites; grain sizes range from granulestone to very fine-grained sandstone, coarsest beds strongly graded; siltstone and shale well laminated; dark grey to black; conglomerate and most diamictite with well rounded pebbles, often with abundant fossils; limestone lenses in Maindample area	Emsian to Emsian	Dsgj	Yellow Waterholes Ignimbrite	Quartz-feldspar ignimbrite: small phenocrysts, pink to purple vitric matrix	Pragian to Pragian
Dnw	White Star Formation	Sandstone, siltstone: sandstone pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbidites; quartz-rich; medium to fine-grained; siltstone dark grey to black; thin-bedded, well laminated to shaly	Early Devonian to Early Devonian	Dsk	Little River Subgroup	Felsic ignimbrite, felsic to mafic lava, ashstone, conglomerate, sandstone, mudstone, chert	Pragian to Pragian
Dny	Woori Yallock Formation	Sandstone, siltstone, conglomerate	Early Devonian to Early Devonian	Dska	Sykes Tuff	Breccia, thinly bedded vitric ash, fine sandstone, with accretionary lapilli	Lochkovian to Pragian
Doc	Cudgewa Falls Volcanics	Lava domes/flows and ignimbrite: dark greenish grey porphyritic crystal poor lava, massive to flow banded rhyolite; pale green and grey ignimbrite with variable pumice and crystal content; includes fine bands of pyroclastic surge deposits with abundant accretionary lapilli	Early Devonian to Middle Devonian	Dskb	Gelantipy Ignimbrite	Quartz-feldspar ignimbrite: grey, green; pumice-rich	Lochkovian to Pragian
Doj	Jemba Ignimbrite	Ignimbrite: dark bluish grey to pinkish grey, crystal rich, mostly recrystallised; sparse small lithic fragments; highly magnetic	Early Devonian to Middle Devonian	Dskd	Mount Tabby Formation	Quartz-feldspar and feldspar ignimbrite, basalt lava, breccia, sandstone	Pragian to Pragian
Dq	Merrimbula Group	Sandstone, conglomerate, siltstone, quartzite, shale.	Late Devonian to Late Devonian	Dske	Bally Hooley Ignimbrite	Feldspar ignimbrite: up to 5% quartz, variable crystal content; pyroclastic deposits	Pragian to Pragian
Dr	Rocklands Volcanic Group	Ryholite lava: flow banded; ignimbrite; volcanoclastic sedimentary rocks; microgranite	Early Devonian to Early Devonian	Dskf	Dandan Andesite	Andesite lava, minor andesite breccia with carbonate-filled vughs	Pragian to Pragian
Ds	Snowy River Volcanic Group	Volcanic lava, pyroclastics and epiclastics	Early Devonian to Early Devonian	Dskg	Detarka Ignimbrite	Feldspar ignimbrite: vitric with small compressed pumice fragments	Lochkovian to Pragian
Dsa	basal breccia, conglomerate	Unnamed basal breccia, conglomerate, pebbly sandstone.	Lochkovian to Pragian	Dskh	Carson Creek Ignimbrite	Feldspar ignimbrite: pumiceous, commonly with well developed eutaxitic foliation, grey; thin breccia and sandstone lenses; pyroclastic and epiclastic deposits	Pragian to Pragian
Dsb	Timbarra Subgroup	Breccia, conglomerate, sandstone, siltstone, ash, ignimbrite	Pragian to Pragian	Dski	Gillingall Ignimbrite	Feldspar ignimbrite: green or pink matrix with feldspar (up to 6 mm) and wispy pumice	Lochkovian to Pragian
Dsba	Wilkinson Creek Conglomerate	Sedolithic conglomerate, breccia; pebbles of quartzite, sandstone, minor granite, shale, chert; minor medium to coarse grained sandstone; poorly bedded; pebbly sandstone interbeds	Lochkovian to Pragian	Dskk	Fairy Sandstone	Tuff, ignimbrite, sandstone, siltstone, breccia, conglomerate: generally thin-bedded; pyroclastic and fluvial deposits.	Pragian to Pragian
Dsbb	Windarra Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone: poorly bedded; alluvial fan deposits; hornblende andesite, rhyolite and quartz latite lava; lava flows	Lochkovian to Pragian	Dskl	Wulgulmerang Volcaniclastics	Sandstone, ash, pumice rich ash, mudstone, poorly welded ignimbrite, conglomerate, breccia	Lochkovian to Pragian
Dsbc	Scorpion Creek Sandstone	Sandstone and siltstone, ash, conglomerate, pebbly sandstone	Lochkovian to Pragian	Dskm	Boundary Creek Conglomerate	Red conglomerate, gritstone and pebbly sandstone, red siltstone, mudstone	Lochkovian to Pragian
Dsbd	Johnson Mudstone	Volcanogenic mudstone, sandstone, conglomerate, pumiceous vitric sandstone: includes various styles of Bouma sequences; basalt lava; marine turbidites with rare lava pods	Lochkovian to Pragian	Dskn	Milky Creek Ignimbrite	Vitric ignimbrite with green pumice and red to pink lithic clasts	Lochkovian to Pragian
Dsbe	Dicks Creek Ignimbrite	Feldspar ignimbrite: pink vitric matrix with minor quartz phenocrysts; wispy pumice fragments	Pragian to Pragian	Dsko	Boorabal Andesite	Andesite lava, minor basalt lava lenses, breccia	Lochkovian to Pragian
Dsbf	Gordon Creek Ignimbrite	Quartz ignimbrite: red to purple with large quartz, small feldspar phenocrysts	Pragian to Pragian	Dskp	McRaes Ignimbrite	Quartz ignimbrite, red, with large quartz and small feldspar phenocrysts, and overlying volcanoclastic sandstone and mudstone	Pragian to Pragian
Dsbg	Dinner Hill Gap Lava	Rhyolite lava and rhyolite breccia	Pragian to Pragian	Dskq	Raymond Falls Lava	Rhyolite lava: small quartz and feldspar phenocrysts, in part flow banded; lava dome	Pragian to Pragian
Dsbi	Davidsons Lane Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone: mostly massive and clast supported; fluvial deposits	Lochkovian to Pragian	Dskr	Frying Pan Creek Ignimbrite	Feldspar ignimbrite with pink vitric matrix, minor quartz phenocrysts	Lochkovian to Pragian
Dsc	Wombargo Subgroup	Ignimbrite, conglomerate and sandstone: ignimbrite pink crystal-rich quartz ignimbrite with quartzite and rhyolitic lava lithic clasts and small pumice fragments; sedimentary units: clast-supported conglomerate, bedded pebbly sandstone interbedded with massive sandstone.	Lochkovian to Pragian	Dskt	Jellung Ignimbrite	Feldspar ignimbrite: sparse small quartz phenocrysts, commonly with well developed eutaxitic foliation, variably welded; pyroclastic deposits	Early Devonian to Early Devonian
Dsea	Statham Ignimbrite	Quartz-feldspar ignimbrite with large phenocrysts and red pumice fragments: abundant lithic clasts near the base; minor sandstone, siltstone, breccia, feldspar ignimbrite	Pragian to Pragian	Dskt	Moores Ford Andesite	Andesite, trachyte and basalt lava flows: massive grey to dark green-black porphyritic andesite lava is most common. Basalt lavas are grey and have olivine, generally show elongate silica-filled amygdales; minor ash and pyroclastic deposits	Pragian to Pragian
Dseb	Black Satin Ignimbrite	Quartz-feldspar ignimbrite: large phenocrysts, minor hornblende	Pragian to Pragian	Dsku	Stonehenge Ignimbrite	Feldspar and vitric feldspar ignimbrite: variably welded and in parts pumiceous, green to pale grey; vitriclastic pumiceous sandstone; pyroclastic and marine mass-flow deposits	Pragian to Pragian
Dsec	Currie Creek Ignimbrite	Quartz-feldspar ignimbrite: green with abundant lithic clasts	Pragian to Pragian	Dskv	Holloways Formation	Volcanoclastic sandstone, mudstone, conglomerate: thin to thick bedded, pumiceous, commonly with open framework; marine mass-flow deposits	Pragian to Pragian
Dsed	Glen Shiel Ignimbrite	Quartz-feldspar ignimbrite with bimodal quartz and small feldspar phenocrysts	Pragian to Pragian	Dskw	Rankin Road Ignimbrite	Vitric feldspar ignimbrite: pale coloured, massive, recrystalised, contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian
Dsfa	Ballantyne Megabreccia	Megabreccia: volcanic and minor granite blocks (up to 30m across), in a pebbly mudstone matrix, intrusive rhyolite	Lochkovian to Pragian	Dsna	Kanni Ignimbrite	Feldspar ignimbrite: crystal rich, small pumice fragments, not welded, green-grey; pyroclastic deposits	Pragian to Pragian
Dsfb	Black Mountain Ignimbrite	Quartz-feldspar ignimbrite: granular with large phenocrysts and abundant lithic clasts	Pragian to Pragian	Dsnb	Boggy Creek Sandstone	Feldspar ignimbrite and feldspathic volcanogenic sandstone: thick bedded, dark grey; vitric mudstone; primary and reworked pyroclastic deposits	Pragian to Pragian
Dsg	Mount Dawson Subgroup	Vitric and feldspar-phyric red pumice ignimbrite; ash, volcanoclastic sandstone and breccia lenses	Pragian to Pragian	Dsnc	Nowa Nowa Conglomerate	Volcanolithic breccia, conglomerate and sandstone with clasts predominantly of glassy rhyolite and minor andesite; lava dome flank deposits	Pragian to Pragian
Dsga	Woolshed Creek Ignimbrite	Feldspar ignimbrite: orange with a granular appearance and minor quartz phenocrysts	Pragian to Pragian	Dso	Tara Range Subgroup	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded; minor volcanogenic sediments including mudstone and sandstone with accretionary lapilli, tabular cross-bedded sandstone; minor basalt lava; pyroclastic and epiclastic rocks, minor lava flows	Pragian to Pragian
Dsgb	Dead Cattle Gully Ignimbrite	Feldspar ignimbrite: grey to black with small quartz, ferromagnesian minerals and red pumice	Pragian to Pragian	Dsob	Tomato Creek Ignimbrite	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation, rheomorphic at base; contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian
Dsgc	Doonarlik Ignimbrite	Feldspar ignimbrite: dark; white to green euhedral feldspar phenocrysts	Pragian to Pragian	Dsoc	Hospital Creek Sandstone	Sandstone: crystal rich, thick-bedded and graded, mudstone, pebbly mudstone; volcanolithic conglomerate; marine turbidite deposits	Pragian to Pragian
Dsgd	Doyle Gully Ignimbrite	Feldspar ignimbrite with small quartz and angular altered green lithic clasts	Pragian to Pragian	Dsod	Fluke Knob Ignimbrite	Quartz ignimbrite: crystal-rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation; roundstone conglomerate, pebbly sandstone, sandstone; fluvial and pyroclastic deposits	Lochkovian to Pragian
Dsge	Bimmarn Ignimbrite	Feldspar ignimbrite: dark with white euhedral feldspar phenocrysts	Pragian to Pragian	Dsoo	Moonkan Ignimbrite	Quartz ignimbrite: red to purple, with large quartz and small feldspar phenocrysts	Lochkovian to Pragian
Dsgf	Plumb Gully Ignimbrite	Quartz-feldspar ignimbrite with red volcanic lithic clasts and red pumice fragments	Pragian to Pragian	Dsp	Castor Oil Lava	Rhyolite, andesite and basalt: lava dome/cryptodome	Pragian to Pragian
				Dsqa	Attunga Paringa Formation	Fluvial sediments: Breccia, conglomerate, sandstone, pebbly sandstone: poorly bedded, with poor to fair sorting; variable rounding; lithic clasts predominant and include volcanics, slate, granite; sandstone generally feldspathic to arkosic	Lochkovian to Pragian

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Code	Name	Description	Age	Code	Name	Description	Age
Dsqb	Carriage Range Ignimbrite	Quartz ignimbrite: range from coarse-grained with very high phenocryst content to finer, less crystal-rich rocks; high cognate lithic content gives rock a clastic appearance	Lochkovian to Pragian	Dxl	Liptrap Formation	Thin-bedded quartz-rich sandstone and siltstone with minor sandstone and gritstone, and rare diamictite which contains chert and limestone pebbles.	Lochkovian to Pragian
Dsqc	Tin Pot Ignimbrite	Feldspar and quartz ignimbrite: commonly with very low quartz content; generally weathered and poorly exposed	Pragian to Pragian	Dxm	Mount Ida Formation	Sandstone, mudstone, conglomerate; marginal marine deposits	Pridoli to Lochkovian
Dsqd	Quindalup Ignimbrite	Quartz ignimbrite: salmon pink; often coarse-grained with prominent quartz crystals; moderate to high phenocryst content; variably welded, commonly with obvious eutaxitic foliation; minor thin sandstone and conglomerate	Lochkovian to Pragian	Dxn	Yeerung River Volcanics	Volcanic breccia: lithic clasts of felsic lava and minor quartzite and limestone; pyroclastic or epiclastic deposit.	Early Devonian to Early Devonian
DSxd	Devils Den Conglomerate	Conglomerate, breccia, sandstone, minor siltstone, shale	Lochkovian to Pragian	Dxna	Yeerung River Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian
DSxe	Deddick Rhyodacite	Porphyry dykes; quartz-feldspar (hornblende) porphyry	Pragian to Pragian	Dxo	Wonga Schist	Quartz-biotite (cordierite) schist: numerous thin boudinaged quartz veins; psammite beds (1-50 cm) occasionally preserved; nonmagnetic	Cambrian to Cambrian
DSxi	Dingo Hill Lava	Extrusive, intrusive: rhyolite lava with quartz and feldspar phenocrysts; flow banded to autobrecciated	Lochkovian to Pragian	Dxp	Puckapunyal Formation	Fine- to coarse-grained quartz and quartz-lithic arenite, minor conglomerate: parallel and ripple drift cross laminations, and interbedded siltstone and claystone; slump structures, commonly burrowed	Pridoli to Lochkovian
DSxm	Meadow Creek Megabreccia	Blocks of ignimbrite from Marroo Subgroup, White Monkey Volcanics and Yalmy Group quartzite in matrix of breccia and conglomerate	Lochkovian to Pragian	Dxr	Waranga Formation	Claystone: pale grey, extensively burrowed; interbedded siltstone and turbiditic fine- to medium-grained sandstone; thinly bedded, commonly burrowed; with parallel, convolute and ripple drift cross laminations; lower-fan turbidite deposits	Early Devonian to Early Devonian
DSxr	Trendale Formation	Quartz-feldspar ignimbrite, ashstone, sandstone, siltstone, mudstone	Lochkovian to Pragian	Dxu	Arthurs Seat Rhyodacite	Hornblende rhyodacite and dacite, biotite rhyodacite: rhyodacite porphyritic with phenocrysts of perthitic orthoclase and oligoclase, contains accessory ilmenite, apatite, zircon, sphene and pyrite; dacite porphyritic with phenocrysts of quartz, hornblende, oligoclase and minor biotite, contains accessory ilmenite, zircon, apatite and sulphides	Middle Devonian to Late Devonian
DSxu	Tulloch Ard Ignimbrite	Quartz-feldspar ignimbrite with lithic clasts of black shale and other older sediment: mostly densely welded	Lochkovian to Pragian	Dxw	Waratah Limestone	Limestone: massive, mid-grey; recrystallized	Lochkovian to Pragian
DSya	Snowy River Volcanic Group - porphyry	Feldspar-hornblende porphyry, commonly coarse-grained, dark bluish green when fresh; some contain pyroxene and/or small amounts of quartz phenocrysts	Pragian to Pragian	Dyad	Donna Buang Rhyodacite	Rhyodacite: aries from light to dark grey according to degree of crystallization; phenocrysts of plagioclase, biotite, enstatite, rare quartz and K-feldspar; groundmass coarsens towards the top; contains large lithic fragments of underlying rhyodacite.	Late Devonian to Late Devonian
DSyb	Snowy River Volcanic Group - porphyry	Quartz-feldspar-hornblende/biotite porphyry with large phenocrysts	Pragian to Pragian	Dyay	Ythan Creek Rhyodacite	Rhyolite to rhyodacite: ignimbrite; recrystallized; contains large unbroken phenocrysts of plagioclase, small quartz, aggregates of secondary biotite in a fine devitrified groundmass; flow-banded.	Late Devonian to Late Devonian
DSyc	Snowy River Volcanic Group - porphyry	Quartz-feldspar porphyry: coarse-grained, massive; dykes	Pragian to Pragian	Dycl	Lake Mountain Rhyodacite	Rhyolite to rhyodacite: uniform, porphyritic with abundant phenocrysts of quartz, plagioclase and biotite, minor enstatite, almandine, rare orthoclase, very rare cordierite in fine groundmass; rare pumiceous ignimbrite occurs at the base. Lithic fragments of underlying rock occur at all levels.	Late Devonian to Late Devonian
DSyd	Snowy River Volcanic Group - rhyolite	Rhyolite: vitric with sparse feldspar and/or quartz phenocrysts, in places flow-banded, spherulitic	Early Devonian to Early Devonian	Dycr	Rubicon Rhyolite	Rhyolite: light bluish-grey, porphyritic; phenocrysts of quartz, biotite, almandine, plagioclase and cordierite; pumiceous ignimbrite at base; base of formation contains concentration of hornfels and andesite lithic fragments.	Late Devonian to Late Devonian
Dtb	Bennies Formation	Ignimbrite, conglomerate, sandstone: ignimbrite with variable, usually high, phenocryst content, commonly coarse-grained, some with biotite and/or garnet, lesser intercalated conglomerate dominated by well rounded vein quartz pebbles with lesser basement pebbles; minor sandstone and red mudstone.	Late Devonian to Late Devonian	Dyt	Taggerty Subgroup	Felsic ignimbrites, basalt and andesite lavas, conglomerate, sandstone.	Late Devonian to Late Devonian
Dtc	Cobbler Rhyolite	Rhyolitic lava with garnet phenocrysts, and lava breccia that is probably resedimented.	Late Devonian to Late Devonian	G1	Gabo Island Granite	Biotite-hornblende granite: medium to fine grained; pink; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingsite variety; A-type	Late Devonian to Late Devonian
Dth	Hollands Creek Rhyodacite	Rhyolitic to rhyodacitic quartz ignimbrite, rich in large phenocrysts and moderately to densely welded.	Late Devonian to Late Devonian	G10	Skerries Granite	Biotite granite, felsic: pink to grey; hornfels enclaves locally abundant; mostly non-magnetic	Early Devonian to Early Devonian
Dtr	Ryans Creek Ignimbrite	Rhyolitic quartz ignimbrite: cordierite and garnet phenocrysts, densely welded/recrystallized; shows upward zonation from a chilled dark base, to eutaxitic and partly microcrystalline, to recrystallized.	Late Devonian to Late Devonian	G101	Koetong Granite	Two-mica cordierite granite: bluish grey, coarse grained biotite muscovite granite; mostly equigranular but centre is porphyritic and parts of margins are fine grained; locally abundant metasedimentary enclaves; S-type; nonmagnetic	Ludlow to Lochkovian
Dtt	Toombullup Ignimbrite	Recrystallized rhyolitic/rhyodacitic ignimbrite: coarse; abundant phenocrysts of quartz, feldspar, biotite, garnet and, locally, enstatite; schlieren of granodiorite porphyry occur; contains lithic fragments of hornblende granodiorite.	Late Devonian to Late Devonian	G102	Thologolong Granite	Leucogranite: pink, coarse grained with slightly finer grained marginal phase; consists of quartz, plagioclase, perthitic K-feldspar and dark brown biotite with accessory muscovite, ilmenite, tourmaline, magnetite, zircon and fluorite; common miarolitic cavities; magnetic	Early Devonian to Middle Devonian
Dtw	Mount Warrick Rhyolite	Rhyolitic lava and porphyry: mostly very glassy, massive to flow-banded, commonly perlitic; rare volcanoclastic sandstone and conglomerate; cream to pale brown colours	Late Devonian to Late Devonian	G103	Granya Granite	Granite: coarse grained, leucocratic; contains quartz, K-feldspar, plagioclase, biotite, muscovite and accessory apatite, zircon, tourmaline and sillimanite; abundant enclaves; S-type	Llandoverly to Wenlock
Dwt	Tabberabbera Formation	Siltstone, sandstone, minor carbonate	Early Devonian to Early Devonian	G105	Adjie Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained; equigranular; minor pale pink K-feldspar; I-type; highly magnetic	Wenlock to Pridoli
Dww	Wild Horse Formation	Conglomerate, sandstone, rare mudstone: quartz conglomerate fine-grained with minor component of larger lithic pebbles; crudely bedded to thick-bedded; includes very coarse to coarse sandstone of same composition; tabular(?) cross bedding; channel forms; rare thin interbeds of fine-grained sandstone and mudstone	Early Devonian to Early Devonian	G106	Charlestown Tonalite	Hornblende-biotite-(pyroxene) quartz diorite: dark bluish to greenish grey; medium-grained	Early Devonian to Early Devonian
Dx	Devonian, sedimentary rocks	Conglomerate, sandstone, mudstone	Early Devonian to Carboniferous	G107	Wallaby Granite	Biotite granite: leucocratic; medium-grained; with muscovite, tourmaline and minor garnet; mostly weathered with some small corestones of fresh granite	Llandoverly to Wenlock
Dxa	Unnamed Silurian-Devonian quartz sandstone	Quartzite: fine to medium grained, cross-bedded, graded, with clasts of silicified black shale.	Silurian to Middle Devonian	G108	Eustace Creek Granodiorite	Hornblende granodiorite, quartz diorite: foliated, medium-grained	Early Devonian to Early Devonian
Dxc	Combyingbar Formation	Sandstone: coarse grained, pebbly sandstone; yellow to grey, generally thick bedded; and mudstone, massive, red-purple, with abundant interbedded sandstone; fluvial deposits	Late Devonian to Late Devonian	G109	Dartmouth Granite	Biotite granite, gneissic granite: varies from strongly banded gneiss to homogeneous granite with abundant sedimentary enclaves; various grey colours, medium-grained	Llandoverly to Wenlock
Dxd	Cave Hill Sandstone	Quartzitic sandstone, conglomerate	Early Devonian to Early Devonian	G11	Everard Granite	Biotite granite: I-type	Early Devonian to Early Devonian
Dxe	Lilydale Limestone	Limestone: variably dolomitised, well bedded, pale grey and orange-pink; fossiliferous.	Early Devonian to Early Devonian	G110	Banimboola Quartz Monzodiorite	Hornblende-biotite-clinopyroxene quartz monzodiorite, quartz diorite in part: greenish grey, equigranular, medium-grained; intensely magnetic; I-type	Early Devonian to Early Devonian
Dxg	Eight Mile Loop Rhyolite	Rhyolite: grey to light brown; sparse quartz and feldspar phenocrysts in very fine-grained matrix; flow banded	Early Devonian to Early Devonian	G111	Mount Wills Granite	Muscovite-biotite leucogranite: coarse to fine grained; accessory tourmaline, garnet and topaz; pegmatitic phases common; numerous roof pendants; S-type	Silurian to Silurian
Dxh	Humevale Siltstone	Siltstone: brown, laminated; minor very fine- to fine-grained sandstone laminae and thin beds towards the top of the formation; distal shelf and hemipelagic deposits.	Llandoverly to Early Devonian	G113	Post Office Granite	Biotite granite, hornblende-biotite diorite; mainly granite soil: may be felsic phase of Bingo Munjie Quartz Diorite	Early Devonian to Early Devonian
Dxj	Pipeline Volcanics	Lithic quartz ignimbrite: welded coarse ignimbrite, crystals of quartz + feldspar (20%-50%), lithic grains (20%) in a fine foliated matrix (30-60%), flattened pumice; lithics are mostly sandstone and shale; minor quartz-feldspar porphyry: quartz phenocrysts in a fine sericitised matrix.	Early Devonian to Early Devonian	G114	Anglers Rest Granite	Biotite leucogranite: pink; equigranular, medium to coarse grained; minor muscovite and blue-green hornblende locally present; accessories include common allanite and rare sphene, as well as apatite, zircon, magnetite and ilmenite	Early Devonian to Middle Devonian
Dxja	Pipeline Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian				

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G115	Taylor's Crossing Tonalite	Biotite tonalite: grey; medium-grained; weakly foliated; occasional metasedimentary enclaves	Silurian to Silurian
G116	Lower Tableland Granite	Biotite-cordierite felsic granite: fine to medium-grained	Early Devonian to Early Devonian
G117	Connleys Track Granodiorite	Biotite-muscovite granodiorite: grey; medium-grained; equigranular; massive to moderately foliated	Wenlock to Ludlow
G119	Mountain Maid Granite	Biotite granite: pale grey; fine-grained; equigranular; massive	Llandovery to Wenlock
G12	Tonghi Granodiorite	Biotite-hornblende granodiorite: pale grey, medium to coarse grained; massive; slightly porphyritic in quartz; hornblende-bearing western half and hornblende-poor eastern half; I-type	Early Devonian to Early Devonian
G120	Marengo Granodiorite	Hornblende-biotite granodiorite: I-type; medium to coarse grained, weakly porphyritic; light grey to light green; with abundant mafic enclaves	Llandovery to Pridoli
G121	Bindi Granodiorite	Biotite granodiorite, granite: pale grey; medium-grained; massive; small biotite-rich enclaves common; enclaves of gneiss locally abundant	Llandovery to Wenlock
G122	Forlorn Hope Granite	Granite: grey, fine to medium-grained; rare diorite. Contains leucogranite zones along northwestern margin and abundant aplite dykes in some places	Llandovery to Wenlock
G123	Mount Nugong Tonalite	Biotite-hornblende-clinopyroxene tonalite: grey; medium-grained; massive; equigranular; clinopyroxene rimmed by hornblende; occasional rounded mafic enclaves	Early Devonian to Early Devonian
G123	Mount Nugong Tonalite granodiorite phase	Granodiorite: medium grained with hornblende and biotite, and rare clinopyroxene; I-type	Early Devonian to Early Devonian
G124	Emu Vale Tonalite	Hornblende-biotite tonalite: grey, altered to pink or green; medium-grained; porphyritic in wafer-thin hornblende which defines weak magmatic foliation	Early Devonian to Early Devonian
G125	Nunniong Granodiorite	Biotite-cordierite granodiorite: grey; fine to medium-grained; massive to foliated; abundant gneissic enclaves in north, west and southwest	Silurian to Devonian
G126	Mount Elizabeth Granodiorite	Hornblende-biotite granodiorite: green-grey; fine-grained; with acicular to tabular hornblende	Early Devonian to Early Devonian
G127	Mellick Munjie Granodiorite	Biotite-cordierite granodiorite: pale grey, coarse-medium grained; minor cordierite; S-type	Llandovery to Wenlock
G128	Reedy Flat Tonalite	Biotite-hornblende tonalite/granodiorite: pale grey; medium-grained; porphyritic in hornblende; weak magmatic foliation; microgranitoid enclaves	Early Devonian to Early Devonian
G129	Kenny Creek Diorite	Hornblende diorite: medium-grained, leucocratic fine-grained granodiorite in southern portion; I-type intrusive	Llandovery to Wenlock
G13	Tamboon Road Granite	Biotite granite: pinkish, equigranular, felsic; I-type	Early Devonian to Early Devonian
G130	Colquhoun Granite	Biotite granite: coarse to medium-grained, pink	Early Devonian to Middle Devonian
G131	Sarsfield Granite	Biotite-muscovite leucogranite: fine to medium grained, cream-white; S-type	Late Devonian to Late Devonian
G132	Mount Taylor Granite	Cordierite-garnet granite porphyry: coarsely K-feldspar phyric, mid-grey; S-type	Late Devonian to Late Devonian
G133	Saint Patricks Creek Granite	Biotite granite: pale pink; medium to fine-grained	Early Devonian to Early Devonian
G134	Tambo Crossing Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; porphyritic in hornblende; weakly to moderately foliated	Ludlow to Early Devonian
G135	Connors Creek Tonalite	Biotite-hornblende tonalite: medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
G136	Old Sheep Station Granodiorite	Biotite granodiorite: grey; medium to coarse-grained; foliated, with rare hornfels and mafic igneous enclaves	Early Devonian to Early Devonian
G137	Rileys Creek Granodiorite	Biotite-hornblende granodiorite, tonalite: grey; medium to coarse-grained; locally porphyritic in plagioclase; strongly foliated; abundant dark stretched quartz diorite and megacrystic tonalite enclaves give rock a migmatitic appearance	Early Devonian to Early Devonian
G139	Mount Baldhead Granodiorite	Biotite granodiorite: pale to mid-grey; coarse-grained; homogeneous; rare mafic enclaves	Early Devonian to Early Devonian
G14	Burglar Gap Granite	Leucocratic granite: pale grey, fine to medium grained, massive; contains biotite and muscovite; I-type	Llandovery to Early Devonian
G140	Dargo Tonalite - tonalite phase	Biotite-hornblende tonalite: grey, medium-grained, equigranular to porphyritic in hornblende, massive.	Early Devonian to Early Devonian
G140	Dargo Tonalite - granite phase	Granite: grey, medium-grained, equigranular to porphyritic in K-feldspar; massive.	Early Devonian to Early Devonian
G141	Mount Blomford Granite	Pink granite: coarse-grained; contains altered biotite, which was probably red-brown originally, and micaceous aggregates after cordierite.	Early Devonian to Early Devonian
G142	Castleburn Granite	Biotite granite: grey, medium-grained, equigranular, massive	Silurian to Devonian
G143	Mungobabba Tonalite	Biotite tonalite: grey; medium-grained; equigranular; massive	Early Devonian to Early Devonian

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G145	Livingstone Creek Tonalite	Biotite tonalite: grey; medium-grained equigranular; weakly foliated; zones of chlorite-epidote alteration	Early Devonian to Early Devonian
G146	Polar Star Tonalite	Biotite tonalite: grey; medium-grained; equigranular; minor porphyritic fine-grained tonalite; moderately to strongly foliated	Early Devonian to Early Devonian
G147	Dry Hill Granodiorite	Biotite granodiorite: grey; medium-grained; massive to strongly foliated; minor fine-grained granodiorite	Early Devonian to Early Devonian
G148	Hallets Road Tonalite	Biotite tonalite: grey; medium-grained equigranular; massive to weakly foliated; rare small microgranitoid enclaves; local intense chlorite-hematite alteration	Early Devonian to Early Devonian
G149	Bald Hills Creek Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; equigranular; porphyritic in euhedral hornblende; rare microgranitoid enclaves; patchy chlorite, epidote and hematite alteration	Early Devonian to Early Devonian
G15	Noorinbee Granodiorite	Biotite-hornblende granodiorite: dark greenish grey, coarse grained, weakly to strongly foliated; abundant mafic inclusions: I-type	Early Devonian to Early Devonian
G150	Simmonds Gap Granite	Biotite granite: grey to pinkish-grey, leucocratic, medium- to fine-grained, varies from equigranular to porphyritic with phenocrysts of pink orthoclase; I type	Early Devonian to Early Devonian
G151	East Kiewa Granodiorite	Biotite granodiorite: grey, medium grained, equigranular; some muscovite-bearing phases; I-type	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - quartz diorite phase	Hornblende-biotite quartz diorite: grey; coarse grained; equigranular; I-type.	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - tonalite phase	Biotite tonalite; grey, medium grained; equigranular.	Early Devonian to Early Devonian
G153	Niggerheads Granodiorite	Biotite granodiorite: medium-coarse grained; I-type	Early Devonian to Early Devonian
G154	Pretty Valley Tonalite	Biotite tonalite: coarse grained, equigranular with minor hornblende; gneissic; abundant aplite and pegmatite dykes and migmatite enclaves; I-type	Silurian to Silurian
G156	Timms Spur Leucogranite	Muscovite-biotite leucogranite: medium grained; equigranular; non-magnetic; S-type	Silurian to Silurian
G158	Mount Selwyn Granite	Biotite granodiorite with some tonalite and quartz diorite; hornblende present in most rock types.	Early Devonian to Early Devonian
G159	Barry Mountains Granite	Granitic rock; highly magnetic	Early Devonian to Early Devonian
G16	Drummer Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained massive; compositionally zoned with two biotite granite phases; I-type	Early Devonian to Early Devonian
G160	Mount Angus Granodiorite	Biotite-hornblende granodiorite: grey; medium-grained; equigranular; rare microgranitoid enclaves	Early Devonian to Early Devonian
G161	Mount Buffalo Granite	Biotite-muscovite leucogranite: grey to pinkish grey; coarse-grained, mostly equigranular; some porphyritic phases with orthoclase phenocrysts	Early Devonian to Early Devonian
G162	Mount Emu Granodiorite	Biotite-hornblende granite, granodiorite, tonalite: grey; coarse-grained; porphyritic, with phenocrysts of plagioclase, quartz, rare orthoclase; fine-grained near the margin	Early Devonian to Early Devonian
G164	Carruno Tonalite	Biotite tonalite: grey; medium grained; equigranular; I-type	Early Devonian to Early Devonian
G165	Nowyeo Granite	Muscovite-biotite leucogranite: variable from fine grained and equigranular to coarse feldspar-phyric; alteration common; metamorphosed; weak foliation; S-type	Silurian to Silurian
G166	Wollonaby Granite	Biotite granite: grey; medium grained; equigranular; pervasive mylonitic fabric, commonly S-C fabric; non magnetic; I-type	Llandovery to Pridoli
G167	Dinner Plain Tonalite	Biotite tonalite: light grey, medium to coarse-grained, equigranular; unfoliated; variably magnetic.	Early Devonian to Early Devonian
G168	Bundara Tonalite	Biotite tonalite: grey; coarse to medium grained; equigranular; biotite-rich, hornblende occurs locally; minor enclaves; includes minor granodiorite types with orthoclase and no hornblende; foliated; I-type	Silurian to Silurian
G169	Dederang Granite	Muscovite-biotite granite: grey; equigranular; medium grained; much of it is foliated and mylonitized by the Kiewa Shear Zone	Silurian to Early Devonian
G17	Derndang Granite	Leucocratic granite: pink, medium grained, massive; minor biotite, rich in K-feldspar	Early Devonian to Early Devonian
G170	Boorgunyah Granite	Muscovite-biotite leucogranite: medium-grained, equigranular with clots of biotite-muscovite up to 2 cm; weakly foliated; S-type	Silurian to Silurian
G172	Yabba Granite	Biotite-muscovite granite: weakly to strongly foliated; consists of quartz, perthitic K-feldspar, plagioclase, red-brown biotite and muscovite, with accessory cordierite and sillimanite; abundant metasedimentary enclaves; S-type	Llandovery to Wenlock
G172	Yabba Granite aplitic phase	Aplite and pegmatite	Llandovery to Wenlock
G172	Yabba Granite gneissic phase	Gneissic granite; common enclaves of migmatitic gneiss	Llandovery to Wenlock
G174	Bellbridge Granite	Biotite granite: weakly foliated, medium to coarse grained, with orthoclase phenocrysts up to 3 cm and biotite schlieren; S-type	Ludlow to Pridoli

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G175	Bethanga Gneissic Granite	Coarse grained, well foliated, heterogeneous cordierite-garnet granite; contains quartz, perthitic K-feldspar, poorly zoned plagioclase, reddish-brown biotite, muscovite, cordierite, garnet and accessory zircon, apatite, ilmenite and sillimanite; common enclaves of migmatite and lensoid biotite-rich enclaves; S-type	Ludlow to Pridoli
G176	Baranduda Granite	Biotite-muscovite granite: grey, medium grained, equigranular	Early Devonian to Early Devonian
G177	Yackandandah Granite Porphyritic Phase	Biotite-hornblende granite: grey; coarse-grained; porphyritic with phenocrysts of K-feldspar commonly aligned to form a flow fabric; rare ovoid microdiorite enclaves; gradational boundary with G177b	Early Devonian to Early Devonian
G177	Yackandandah Granite Equigranular Phase	Biotite granite: grey leucocratic; medium to fine-grained; equigranular; gradational boundary with G177a	Early Devonian to Early Devonian
G18	Yoke Up Creek Granite	Leucocratic granite; pale grey, coarse grained, massive; biotite-poor	Early Devonian to Early Devonian
G180	Kergunyah Granite	Leucocratic two-mica granite: coarse grained; S-type	Early Devonian to Early Devonian
G182	Barnawartha Gneissic Granodiorite	Granodiorite: foliated, medium grained, biotite-rich; interleaving boundary with gneiss country rock; pegmatite dykes common	Llandoverly to Pridoli
G183	Mount Stanley Granite	Biotite granite: pinkish, medium grained, equigranular	Early Devonian to Early Devonian
G184	Mount Stirling Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian
G185	Changue East Diorite	Diorite, gabbro: medium grained, dark green-grey	Middle Devonian to Middle Devonian
G186	Mirimbah Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian
G189	High Tops Tonalite	Biotite tonalite: pale cream; medium-grained, equigranular; weak magmatic alignment of biotite; magnetic.	Early Devonian to Early Devonian
G19	Nungatta Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, weakly foliated; prominent hornblende crystals; plagioclase-rich; I-type	Llandoverly to Early Devonian
G190	Demon Ridge Andesite Porphyry	Andesite porphyry: abundant phenocrysts of hornblende, glomerocrysts of plagioclase, rare quartz in a fine-grained recrystallised granoblastic groundmass of biotite, feldspar and quartz; hornblende partly replaced by actinolite and biotite	Silurian to Devonian
G191	Nelson Creek Granite	Granite: equigranular, interlocking grains of quartz and rosettes of hydrothermal muscovite; feldspar replaced by masses of sericite and hematite; biotite by chlorite and sericite	Silurian to Devonian
G192	Shippen Gully Porphyry	Quartz-feldspar porphyry: strongly porphyritic; phenocrysts of quartz, plagioclase, perthitic orthoclase, biotite and garnet in a fine-grained granoblastic groundmass of quartz, plagioclase and orthoclase; occasional cordierite	Devonian to Devonian
G193	Woolshed Valley Granite	Biotite-muscovite granite: coarse phenocrysts of K-feldspar, plagioclase and quartz; K-feldspar shows plagioclase overgrowths and granophyric texture with quartz	Late Devonian to Late Devonian
G194	Morilla Granite	Biotite granite: coarse grained, slightly porphyritic in pink K-feldspar, plagioclase and quartz; accessory allanite, topaz, ilmenite, magnetite, sphene and monazite	Late Devonian to Late Devonian
G195	Beechworth Granite	Leucocratic biotite granite: medium grained, equigranular; accessory muscovite	Late Devonian to Late Devonian
G196	Golden Ball Granite	Leucocratic biotite granite: medium grained; accesory muscovite, fluorite, topaz, ilmenite and zircon; I-type	Late Devonian to Late Devonian
G197	Byawatha Granite	Fine-grained to aplitic granite	Late Devonian to Late Devonian
G198	Everton Granodiorite	Hornblende-biotite granodiorite: fine-grained, pink K-feldspar phenocrysts, accessory magnetite, allanite, sphene, apatite, zircon and fluorite	Late Devonian to Late Devonian
G199	Murmungee Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, equigranular with accessory magnetite, sphene, allanite and pyroxene; marginal leucocratic granite; I-type; highly magnetic.	Late Devonian to Late Devonian
G2	Howe Range Granite	Biotite-hornblende granite: medium to fine grained; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingsite; A-type	Late Devonian to Late Devonian
G20	Loomat Granite	Biotite granite: pale pinkish grey, very coarse grained, massive to weakly foliated; prominent K-feldspar crystals to 40 mm long; I-type	Llandoverly to Early Devonian
G200	Lurg Granite	Fractionated granite; fine to medium grained porphyritic phases and coarse-grained phases; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian
G201	Kelly Gap Granite	Biotite granite: fine to medium grained, mid grey; fractionated; porphyritic; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian
G202	Glenrowan Granite	Biotite granite: fine grained, sugary, grey-brown; extensive hydrothermal alteration; I-type.	Late Devonian to Late Devonian
G203	Warby Springs Granite	Biotite-cordierite granite: grey, medium grained; slightly porphyritic in K-feldspar, has minor garnet; S-type; nonmagnetic.	Late Devonian to Late Devonian
G204	Taminick Gap Granite	Biotite granite: very coarse grained, pale grey; S-type	Late Devonian to Late Devonian
Code	Name	Description	Age
G205	Mount Bruno Granite	Biotite-muscovite granite with accessory garnet, evenly medium grained to porphyritic, pale grey	Late Devonian to Late Devonian
G206	Killawarra Granite	Biotite granite: medium grained, pale grey; S-type.	Late Devonian to Late Devonian
G207	Almonds Granite	Biotite granite; coarse grained and porphyryitic with K-feldspar phenocrysts to 15 mm; contains cordierite and accessory fluorite; S-type	Late Devonian to Late Devonian
G208	Youarang Granite	Biotite-cordierite granite: coarse-grained, porphyritic in both feldspars (K-feldspar to 40 mm, plagioclase to 30 mm), with miarolitic cavities and abundant tourmaline nodules	Late Devonian to Late Devonian
G209	Camview Granite	Biotite granite: varies from evenly medium grained to coarse grained and weakly porphyritic in both feldspars; tourmaline is present, both disseminated and in nodules.	Late Devonian to Late Devonian
G21	Beehive Granite	Biotite granite: pink, coarse grained, massive except on faulted margin; leucocratic; texturally variable with finer grained and megacrystic areas; I-type	Llandoverly to Early Devonian
G210	Bungeet West Granite	Equigranular medium-grained, pinkish biotite granite with vermiculite, indicating some hydrothermal alteration; accessory muscovite, flourite.	Late Devonian to Late Devonian
G211	Chesney Vale Granite	Small intrusions of fine to medium-grained pinkish granophyre, contains tourmaline nodules; consists of quartz, plagioclase, K-feldspar, biotite, zircon, tourmaline, opaques.	Late Devonian to Late Devonian
G215	Moorgag Granite	Biotite granite, porphyritic with K-feldspar phenocrysts in a fine to medium grained groundmass of quartz, orthoclase, plagioclase, biotite and rare muscovite.	Late Devonian to Late Devonian
G216	Barjarg Granite	Dark orange biotite-cordierite granite with minor muscovite; fine to coarse grained; even grained to porphyritic - the latter contains large garnet phenocrysts in addition to plagioclase phenocrysts; accessory tourmaline and garnet; very weakly magnetic to non-magnetic	Late Devonian to Late Devonian
G217	Strathbogie Granite	Coarse-grained porphyritic biotite-cordierite granite with minor garnet; K-feldspar phenocrysts to 50 mm across, with less common quartz phenocrysts to 10 mm across and garnet and cordierite up to 20 mm across; tourmaline aggregates locally present.	Late Devonian to Late Devonian
G217	Strathbogie Granite aplite phase	Massive grey aplite, quartz-feldspar-biotite with some cordierite; black tourmaline-rich nodules present locally.	Late Devonian to Late Devonian
G219	King Parrot Creek Granodiorite	Biotite granodiorite: grey, medium grained, equigranular to porphyritic with K-feldspar phenocrysts 5 - 20 mm across; rare small biotite-rich enclaves; S-type	Late Devonian to Late Devonian
G22	Buldah Gap Granodiorite	Hornblende-biotite granodiorite: dark grey, medium to coarse grained, mostly massive; extensive pyritic marginal phase porphyritic in quartz and feldspar, equigranular interior: prominent quartz; rare pyroxene; I-type	Llandoverly to Early Devonian
G220	Flowerdale Granodiorite	Biotite-muscovite granodiorite: fine-grained, grey; consists of quartz, andesine-oligoclase, orthoclase, dark brown biotite, muscovite and ilmenite.	Late Devonian to Late Devonian
G221	Mount Disappointment Granodiorite	Biotite granodiorite: medium grained, equigranular; consists of quartz, oligoclase, orthoclase, biotite and accessory zircon, ilmenite and apatite; occasional xenoliths	Late Devonian to Late Devonian
G221	Mount Disappointment Granodiorite-porphyritic phase	Biotite granodiorite, porphyritic with phenocrysts of perthitic orthoclase to 5 cm in a medium-grained groundmass of quartz, oligoclase, orthoclase and biotite with accessory apatite; common microgranitoid enclaves.	Late Devonian to Late Devonian
G223	Black Range Granodiorite	Biotite granodiorite: generally porphyritic, biotite-bearing with occasional almandine, hypersthene and sillimanite; minor porphyritic microgranodiorite, aplite and pegmatite; S-type	Late Devonian to Late Devonian
G224	Buxton Granodiorite	Biotite-garnet granodiorite and porphyry: greenish-grey; coarse-grained; porphyritic; in some places quartz-feldspar-garnet porphyry with same composition	Late Devonian to Late Devonian
G225	Keppel Creek Granodiorite	Microgranodiorite: medium to fine grained; saccharoidal, porphyritic	Late Devonian to Late Devonian
G226	Toole-Be-Wong Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths; S-type	Late Devonian to Late Devonian
G227	Mount Stinton Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths	Late Devonian to Late Devonian
G229	Mount Robertson Diorite	Quartz-enstatite diorite: medium to fine-grained; mesocratic slightly greenish; andesine with occasionally zoned augite and enstatite; some alteration of enstatite to horblende; interstitial cloudy orthoclase and quartz.	Late Devonian to Late Devonian
G23	Fiddlers Green Granodiorite	Biotite - minor hornblende granite: pale grey to pink, coarse grained, massive to mylonitic; prominent quartz grains; I-type	Early Devonian to Early Devonian
G230	Kelfeera Granite	Biotite granite: medium grained slightly porphyritic	Late Devonian to Late Devonian
G235	Warburton Granodiorite	Biotite granodiorite: fine grained, equigranular; medium grey	Late Devonian to Late Devonian
G236	Baw Baw Granodiorite	Biotite-hornblende granodiorite: bluish grey; medium-grained; equigranular; small microgranitoid enclaves common	Late Devonian to Late Devonian
G237	Tanjil Granodiorite	Granodiorite: medium grained, equigranular, hornblende-bearing	Late Devonian to Late Devonian
G239	Tynong Granite	Biotite granite: medium grained, porphyritic; pale grey	Late Devonian to Late Devonian
G24	Weeragua Granodiorite	Biotite-hornblende granodiorite: medium grained, slightly porphritic; I-type	Llandoverly to Early Devonian

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G240	Silvan Granodiorite	Biotite granodiorite porphyry	Late Devonian to Late Devonian
G241	Lysterfield Granodiorite	Biotite-hornblende granodiorite: grey, medium grained, containing quartz, plagioclase, orthoclase, biotite, minor hornblende, accessory apatite, ilmenite, allanite, sphene, tourmaline and zircon	Late Devonian to Late Devonian
G25	Cann Mountain Granodiorite	Biotite - minor hornblende granite: pale yellow grey, coarse- grained, massive; prominent quartz; chloritised mafic minerals; I-type	Llandovery to Early Devonian
G251	Cliffy Island Granite	Granite, S-type	Middle Devonian to Middle Devonian
G252	Kanowna Island Granite	Granite, S-type	Middle Devonian to Middle Devonian
G253	Glennie Granite	Cordierite-biotite granite: coarse grained, subequigranular; S-type	Middle Devonian to Middle Devonian
G254	Yanakie Granite	Granite, S-type	Middle Devonian to Middle Devonian
G255	Mount Norgate Granite	Granite, S-type	Middle Devonian to Middle Devonian
G256	Lilly Pilly Granite	Granite: red-brown biotite is ubiquitous and garnet is prominent in some rocks; S-type	Middle Devonian to Middle Devonian
G257	Mount Singapore Granite	Cordierite-biotite granite: medium to coarse grained, creamy grey; contains red-brown biotite and garnet; S-type	Middle Devonian to Middle Devonian
G258	Sealers Cove Granite	Cordierite-biotite granite: fine grained to porphyritic; S-type	Middle Devonian to Middle Devonian
G259	Vereker Granite	Leucocratic granite: medium to coarse grained; with garnet and cordierite; S-type	Middle Devonian to Middle Devonian
G260	Wilsons Promontory Granite	Biotite granite: coarse grained, porphyritic; with some garnet; S-type.	Middle Devonian to Middle Devonian
G261	Woolamai Granite	Biotite granite: pink coarse-grained leucocratic; contains quartz, perthite, oligoclase, biotite and accessory apatite and zircon; veins of aplite and pegmatite present locally	Late Devonian to Late Devonian
G262	Dromana Granite	Biotite granite: greenish, medium-grained, equigranular granite containing quartz, greenish orthoclase, perthite, oligoclase and biotite with accessory sphene, zircon, ilmenite and apatite; intruded by dykes of porphyry and aplite.	Late Devonian to Late Devonian
G263	Mount Martha Granodiorite	Biotite granodiorite: grey, medium grained; consists of quartz, oligoclase, orthoclase (including micropertthite), biotite and minor hornblende; I-type	Late Devonian to Late Devonian
G264	Mount Eliza Granodiorite	Biotite granodiorite: grey, equigranular; contains quartz, plagioclase, orthoclase, biotite, minor hornblende and accessory sphene, allanite and ilmenite; I-type	Late Devonian to Late Devonian
G26a	Blue Gum Tonalite - mafic phase	Biotite-hornblende tonalite (mafic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
G26b	Blue Gum Tonalite - felsic phase	Biotite-hornblende tonalite (felsic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
G27	Ino Creek Granodiorite	Biotite-muscovite granodiorite: brownish grey, coarse grained, massive; prominent quartz; includes pods of fine-grained leucocratic muscovite granite and pegmatite	Llandovery to Wenlock
G275	Morang Granodiorite	Biotite granodiorite with rare hornblende: equigranular with a coarse porphyritic marginal phase	Late Devonian to Late Devonian
G276	Bulla Granodiorite	Biotite-cordierite granodiorite and granite: coarse-grained; minor garnet	Late Devonian to Late Devonian
G277	You Yangs Granite	Hornblende granite: coarse grained, K-feldspar phyrlic; I-type.	Late Devonian to Late Devonian
G279	Ingliston Granite	Biotite granite: grey; medium to coarse-grained; dykes of quartz porphyry and feldspar porphyry	Late Devonian to Late Devonian
G28	Tumberluck Diorite	Hornblende diorite: coarse to medium grained, dark green-grey; foliated; I-type	Llandovery to Wenlock
G280	Mount Egerton Granodiorite	Biotite granodiorite: pale grey; fine to coarse-grained, occasionally feldspar-phyric; mafic microgranular enclaves and mineral clots; nonmagnetic; fresh to kaolinised	Late Devonian to Late Devonian
G281	Rainy Creek Porphyry	Orthopyroxene-plagioclase-biotite porphyry: fine to medium grained porphyry with phenocrysts of plagioclase and orthopyroxene set in an aphanitic groundmass; magnetic S-type intrusion.	Late Devonian to Late Devonian
G282	Barringo Granodiorite	Biotite granodiorite and granite: mid- to dark grey; medium to fine-grained	Late Devonian to Late Devonian
G283	Pyalong Granite	Biotite granite: pale grey; coarse-grained; strongly porphyritic with large K-feldspar phenocrysts; S-type	Late Devonian to Late Devonian
G284	Baynton Granodiorite	Quartz-feldspar-biotite granodiorite: medium grained, equigranular granodiorite with numerous xenoliths of both sedimentary and igneous origin; nonmagnetic I-type	Late Devonian to Late Devonian
G284	Baynton Granodiorite-porphyritic phase	Quartz-feldspar-biotite granodiorite with minor hornblende and euhedral phenocrysts of plagioclase and K-feldspar up to 20 mm long; locally with large crystals of biotite; numerous sedimentary and igneous enclaves; nonmagnetic I-type.	Late Devonian to Late Devonian

Code	Name	Description	Age
G285	Beauvallet Granodiorite	Biotite-hornblende granodiorite: mid-grey; medium-grained equigranular to porphyritic with K-feldspar phenocrysts	Late Devonian to Late Devonian
G286	Commissioners Flat Granodiorite	Hornblende-biotite granodiorite: fine- to medium-grained, equigranular; leucocratic; contains alteration assemblage of albite, chlorite and sericite.	Late Devonian to Late Devonian
G287	Glenaroua Microgranite	Porphyritic biotite microgranite with phenocrysts of quartz, orthoclase, oligoclase and biotite in a fine grained groundmass of the same minerals; S-type.	Late Devonian to Late Devonian
G288	Mount Black Granite	Biotite granite: nonmagnetic, medium grained, equigranular; composed of quartz, alkali feldspar, plagioclase and biotite; S-type	Late Devonian to Late Devonian
G289	Crosbie Granite	Biotite granite: medium- to coarse-grained, equigranular; composed of quartz, orthoclase, plagioclase and biotite	Late Devonian to Late Devonian
G29	Sandpatch Point Granite	Granite	Early Devonian to Early Devonian
G290	Harcourt Granodiorite	Biotite granodiorite: medium grained, pale grey; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; numerous enclaves; nonmagnetic; reduced; I-type	Late Devonian to Late Devonian
G291	Metcalfie Granite	Biotite granite: pale grey, medium to coarse grained; commonly strongly porphyritic in K-feldspar; numerous metasedimentary enclaves and leucocratic dykes; nonmagnetic	Late Devonian to Late Devonian
G293	Baringhup Granodiorite	Biotite granodiorite; fine to medium grained, grey; slightly porphyritic; leucocratic, minor mafic enclaves: magnetic oxidised I-type	Late Devonian to Late Devonian
G295	Pyramid Hill Granite	Leucocratic biotite-muscovite granite, with accessory apatite, zircon, garnet, andalusite, ilmenite and pyrite; coarse-grained, porphyritic with orthoclase phenocrysts; S-type.	Late Devonian to Late Devonian
G296	Erindale Granite	Leucogranite: nonmagnetic; medium-grained, equigranular; consists of quartz, muscovite pseudomorphing biotite, sericite.	Late Devonian to Late Devonian
G297	Colbinabbin Diorite	Quartz diorite: grey-green; fine- to medium-grained; subophitic growths of plagioclase and augite, with hornblende commonly replacing augite	Cambrian to Cambrian
G305	Illoura Granodiorite	Coarse grained equigranular hornblende biotite granodiorite and porphyritic biotite granite with phenocrysts of K-feldspar, plagioclase and quartz; pale pinkish grey; mafic clots and enclaves abundant in the granodiorite.	Late Devonian to Late Devonian
G307	Tiac Granite	Coarse-grained equigranular biotite granite; cream coloured.	Late Devonian to Late Devonian
G308	Mount Bute Granite	Hornblende biotite granite: medium to coarse grained, pale grey; mafic enclaves and host-rock inclusions; aplite dykes; weathered to kaolinised, magnetic.	Middle Devonian to Late Devonian
G310	Chepstowe Granodiorite	Biotite granodiorite: medium to coarse grained, pale pinkish-grey; oxidised mafic I-type; magnetic.	Middle Devonian to Late Devonian
G311	Trawalla Granite	Biotite granite: cream to pink, felsic, porphyritic; dominated by mildly perthitic K-feldspar crystals up to 25mm	Middle Devonian to Late Devonian
G312	Ercildoun Granite	Biotite granite: medium grained; commonly porphyritic in quartz, plagioclase and K-feldspar; leucocratic; nonmagnetic reduced	Late Devonian to Late Devonian
G315	Tullaroop Granodiorite	Biotite +/- hornblende granodiorite: medium grained; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; nonmagnetic phase at surface intruded by a magnetic phase at depth; nonmagnetic phase reduced to oxidised; I-type	Late Devonian to Late Devonian
G321	Lake Boga Granite	Alkali-feldspar muscovite-biotite granite, aplite and pegmatite; non-magnetic; fractionated; porphyritic, S-type; abundant miarolitic cavities and muscovite and tourmaline segregations: accessory minerals include apatite, zircon, monazite-series minerals, primary uranium+REE-bearing phosphates and oxides and primary copper sulfides. Miarolitic cavities are lined with quartz, microcline and albite.	Early Devonian to Late Devonian
G322	Korong Creek Tonalite	Hornblende tonalite: porphyritic in plagioclase; magnetic	Early Devonian to Early Devonian
G33	Bee Tree Granodiorite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type intrusive	Llandovery to Wenlock
G332	Wycheproof Granite	Biotite-muscovite granite: coarse grained, pale grey	Early Devonian to Middle Devonian
G333	Hemleys Granite	Biotite-muscovite granite: coarse grained; I-type	Early Devonian to Middle Devonian
G334	Jeffcott Granite	Leucocratic garnet-muscovite granite: medium to coarse grained	Early Devonian to Middle Devonian
G335	Teddywaddy Granite	Biotite-muscovite granite: coarse to medium porphyritic; contains small mafic enclaves; S-type; nonmagnetic	Early Devonian to Middle Devonian
G336	Buckrabanyule Granite	Cordierite granite: medium grained; contains enclaves of schistose hornfels and feldspar porphyry; S-type; nonmagnetic	Early Devonian to Middle Devonian
G337	Mount Egbert Granite	Biotite granite: medium grained; S-type; nonmagnetic with subsurface weakly magnetic phase	Early Devonian to Early Devonian
G338	Wescotts Granite	Leucocratic granite: medium to coarse grained; very poorly exposed	Early Devonian to Middle Devonian
G339	Grieves Granite	Biotite hornblende granite: medium grained; I-type; nonmagnetic.	Early Devonian to Early Devonian

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G34	Goonmirk Rocks Granodiorite	Hornblende granodiorite: medium grained, moderately foliated; I-type	Early Devonian to Early Devonian	G378	Mount Cole Granite	Hornblende-biotite granite: pale pink to grey; coarse grained; porphyritic	Early Devonian to Early Devonian
G340	Barrakee Granite	Cordierite-biotite granite: S-type, reduced; pale grey, medium grained	Early Devonian to Middle Devonian	G379	Stawell Granite	Hornblende-biotite granite: pale; medium to coarse grained; occasional diorite, granodiorite and hornfels xenoliths; weakly foliated; oxidised, I-type, moderately magnetic	Early Devonian to Early Devonian
G345	Wedderburn Granodiorite	Biotite and biotite-hornblende granodiorite; porphyritic; marginal outcrops contain enclaves of feldspar-hornblende porphyry; nonmagnetic inner phase surrounded by magnetic phase	Early Devonian to Early Devonian	G380	Ararat Granodiorite	Hornblende-biotite granodiorite: pale grey; porphyritic; equigranular; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; oxidised, I-type, moderately magnetic	Early Devonian to Middle Devonian
G347	Kooyoora Granite	Biotite-hornblende-muscovite granite: mostly evenly coarse grained, locally porphyritic; mafic enclaves; pegmatite and aplite dykes; nonmagnetic	Early Devonian to Early Devonian	G381	Burrumbeep Granodiorite	Hornblende-biotite granodiorite; pale grey; porphyritic; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; contact metamorphosed by enclosing Ararat Granodiorite; oxidised, I-type, very weakly to non-magnetic	Early Devonian to Middle Devonian
G347	Kooyoora Granite - aplitic phase	Aplite	Early Devonian to Early Devonian	G383	Dunneworthy Granodiorite	Biotite granodiorite: pale grey; medium grained; strongly kaolinised in places	Early Devonian to Early Devonian
G35	Tommy Roundhead Granodiorite	Biotite granodiorite and tonalite: medium grained, porphyritic, grey, variably foliated; contains abundant biotite schist enclaves as well as enclaves of hornblende-biotite diorite; I-type	Llandovery to Wenlock	G384	Hickman Creek Granite	Biotite granite: felsic; pink to pale grey; coarse and even grained; small pegmatitic patches	Early Devonian to Early Devonian
G350	Moliagul Granodiorite	Granodiorite; slightly porphyritic, felsic, minor biotite, molybdenite-bearing quartz veins	Early Devonian to Early Devonian	G385	Ballyrogan Granite	Biotite-muscovite granite: pale cream, felsic, fine grained; granophyric intergrowths between quartz and feldspar; aggregates of muscovite and of tourmaline scattered throughout; trace amounts of garnet	Early Devonian to Early Devonian
G351	Tarnagulla Granodiorite	Hornblende-biotite granodiorite: medium grained; minor pegmatite and aplite; variably magnetic	Early Devonian to Early Devonian	G386	Curtis Diorite	Hornblende-biotite diorite: dark grey to black; quartz poor; feldspar and hornblende phenocrysts; oxidised, highly magnetic	Early Devonian to Early Devonian
G353	Bealiba Granodiorite	Biotite granodiorite: coarse grained, marginal strongly porphyritic phase contains K-feldspar up to 2 cm; local porphyritic microgranodiorite; includes pegmatite and aplite; local hydrothermal alteration: I-type	Early Devonian to Early Devonian	G387	Two Eyed Creek Granodiorite	Hornblende-biotite granodiorite: grey; medium to coarse grained; numerous quartz diorite, biotite granodiorite and country rock xenoliths; strongly foliated in part; occasional small miarolitic cavities; reduced; I-type, nonmagnetic	Early Devonian to Early Devonian
G354	Natte Yallock Granite	Biotite-hornblende tonalite; medium grained, equigranular; includes hornblende-biotite-orthopyroxene-quartz diorite enclaves; magnetic, oxidised	Early Devonian to Middle Devonian	G388	Bulgana Diorite	Biotite-hornblende-quartz diorite: dark grey, fine grained; numerous darker diorite xenoliths; oxidised, highly magnetic	Early Devonian to Early Devonian
G356	Carapoee Granodiorite	Biotite granodiorite: variable texture and composition from medium grained granite to porphyritic granodiorite with large anhedral to subhedral weakly perthitic K-feldspar grains ~10 mm across.	Early Devonian to Early Devonian	G389	White Rabbit Diorite	Biotite-hornblende-quartz diorite: pale grey; medium grained; contains pyroxene; oxidised, highly magnetic	Early Devonian to Early Devonian
G357	Kooreh Granite	Granite: non-magnetic; deeply weathered	Early Devonian to Early Devonian	G38a	Arte Gabbro - gabbro phase	Hornblende gabbronorite: coarse-grained; highly magnetic; I-type	Wenlock to Wenlock
G358	Berrimal Granite	Biotite-hornblende granite: medium grained, biotite-hornblende intergrowths: I-type; weakly magnetic; intensely weathered to relict quartz grains in a kaolinite matrix.	Early Devonian to Middle Devonian	G38b	Arte Gabbro - hornblende gabbro phase	Hornblende gabbro; medium grained, some with a tectonic foliation; I-type	Wenlock to Wenlock
G359	Coonooer Granite	Muscovite-biotite granite: pale grey to pink, weakly porphyritic, coarse to fine grained phases, aplite and pegmatite present; muscovite > biotite and microcline > plagioclase, granoblastic texture, weak flow foliation in places; S-type; reduced; nonmagnetic core and weakly magnetic rim.	Early Devonian to Middle Devonian	G38c	Arte Gabbro - tonalite phase	Hornblende tonalite: medium-grained; consists of plagioclase, quartz, hornblende and minor biotite; I-type	Wenlock to Wenlock
G36	Kanuka Granodiorite	Biotite granodiorite and granite: medium-grained; foliated to strongly rodded with compositional banding; I-type	Llandovery to Wenlock	G38d	Arte Gabbro - mylonite phase	Hornblende mylonite and amphibolite; plagioclase-hornblende-magnetite rock; I-type intrusive	Wenlock to Wenlock
G360	Aughaderry Tonalite	Hornblende tonalite: fine grained, yellowish grey; weakly porphyritic in plagioclase; abundant cordierite hornfels xenoliths; I-type; strongly magnetic	Early Devonian to Early Devonian	G39	Murrungowar Granite	Biotite-muscovite granite: coarse-grained porphyritic; foliated; contains numerous aligned orthoclase phenocrysts and mafic enclaves	Llandovery to Wenlock
G361	Richmond Granite	Biotite granite: I-type, oxidised; fine grained pink to white; some small pegmatite veinlets	Early Devonian to Middle Devonian	G394	Buckeran Diorite	Hornblende-biotite diorite with clinopyroxene cores to the hornblende and rare orthopyroxene; medium to coarse grained, equigranular. The pluton is mostly magnetic, with a non-magnetic core.	Middle Cambrian to Late Cambrian
G362	Yeungroon Granite	Leucocratic granite: S-type, reduced, pale cream to grey; coarse grained, porphyritic; plagioclase crystals to 3 cm in length; rare muscovite-rich enclaves to 5 cm diameter	Early Devonian to Middle Devonian	G394	Buckeran Diorite nonmagnetic phase	Weakly to non-magnetic phase of Buckeran Diorite; not exposed.	Middle Cambrian to Late Cambrian
G363	Wychitella Granite	Biotite granite: I-type, oxidised; medium grained pinkish grey, with rare mafic enclaves	Early Devonian to Middle Devonian	G395	Bushy Creek Granodiorite - equigranular phase	Hornblende-biotite granodiorite: grey, equigranular; weakly magnetic; deeply weathered.	Middle Cambrian to Late Cambrian
G365	Tailor Creek Tonalite	Hornblende tonalite:mafic; medium to coarse grained: light green to dark greenish grey; speckled appearance; some parts very rich in hornblende.	Early Devonian to Early Devonian	G395	Bushy Creek Granodiorite - porphyritic phase	Hornblende granodiorite: porphyritic with phenocrysts of quartz, plagioclase, alkali feldspar and hornblende; strongly magnetic.	Middle Cambrian to Late Cambrian
G367	Powncebys Tonalite	Biotite-hornblende tonalite: mafic; grey speckled appearance; medium grained; pronounced magmatic flow banding defined by elongate feldspar crystals	Early Devonian to Early Devonian	G396	Mafeking Granodiorite	Hornblende-biotite granodiorite: pale grey; medium-grained, equigranular to porphyritic; bipyramidal quartz; rare mafic enclaves and patchy deuteric alteration; deeply weathered to fresh; oxidised; highly magnetic	Early Devonian to Early Devonian
G368	Ben Major Granite	Hornblende-biotite granite: pale grey, medium grained	Early Devonian to Early Devonian	G397	Epacris Hills Granite	Hornblende-biotite granite: pale pinkish grey; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian
G37	Ellery Granite	Biotite-amphibole granite: coarse to medium grained, porphyritic	Early Devonian to Early Devonian	G399	Dwyer Granite	Hornblende-biotite granite: reddish to pale pinkish grey; fine to medium-grained, generally porphyritic, commonly granophyric, miarolitic cavities, flow-folded rhyolitic dykes; oxidised	Early Devonian to Early Devonian
G370	Lexton Granodiorite	Hornblende-biotite granodiorite: pale grey to pink, medium grained; with accessory magnetite; fractionated, pale cream, fine grained, foliated phase forms Granite Hill	Early Devonian to Early Devonian	G4	Naghi Granite	Granite: pink to red, medium to fine grained, equigranular; contains biotite and minor hastingsite with rare fluorite; A-type	Late Devonian to Late Devonian
G371	Mount Lonarch Granite	Hornbende-biotite granite: pale grey, fine to medium grained	Early Devonian to Early Devonian	G40	Enfield Granite	Hornblende-biotite granite: medium-grained; I-type	Wenlock to Wenlock
G372	Glenlogie Granodiorite	Hornblende-biotite granodiorite: mafic; speckled grey; medium to coarse grained; strongly kaolinised in places, with limonite and goethite staining	Early Devonian to Early Devonian	G400	Mammoth Porphyry	Quartz-feldspar porphyry: phenocrysts of quartz, plagioclase and lesser alkali feldspar in a very fine groundmass that is altered to sericite, carbonate and clay; abundant pyrite; dyke margins have breccia with sulphide mineralisation	Pragian to Eifelian
G373	Elmhurst Granite	Biotite granite: pale grey; felsic; fine to medium grained	Early Devonian to Early Devonian	G402	Mirranatwa Granite	Hornblende granite: pink; often granophyric; medium to coarse-grained, equigranular to porphyritic, soda-rich; oxidised; small stocks	Early Devonian to Early Devonian
G374	Ben Nevis Granite	Biotite granite: pale grey to cream, porphyritic; dykes, pegmatite and quartz veins prevalent; small miarolitic cavities	Early Devonian to Early Devonian	G403	Bullawin Porphyry	Biotite hornblende dacite/rhyodacite: greyish green; glassy to medium-grained, sparse feldspar and quartz phenocrysts; oxidised; forms small stocks	Early Devonian to Early Devonian
G375	Eversley Granite	Biotite granodiorite: pale grey; medium grained; felsic; slightly porphyritic; outer biotite-rich parts are highly weathered	Early Devonian to Early Devonian	G404	Merrymbuela Gabbro	Gabbro: dark, coarse grained porphyritic (6mm); with plagioclase and orthopyroxene phenocrysts; accessory clinopyroxene, K-feldspar, quartz, biotite and hornblende	Early Devonian to Early Devonian
G376	Langi Ghiran Granite	Biotite granite: highly fractionated; light grey; medium grained; equigranular	Early Devonian to Early Devonian	G407	Harrow Granodiorite	Biotite-muscovite granite: foliated to massive, grey, medium grained, porphyritic with phenocrysts of plagioclase; accessory sillimanite; rare schlieren; nonmagnetic	Middle Cambrian to Early Ordovician
G377	Buangor Granite	Hornblende-biotite granite: pale grey to pink; speckled appearance; porphyritic texture, with phenocrysts of perthitic K-feldspar; granophyric intergrowths common; rare mafic clots of hornblende and biotite	Early Devonian to Early Devonian				

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Code	Name	Description	Age
G408	Nangkita Granite	Muscovite leucogranite: massive, white, medium to coarse grained, porphyritic with microcline megacrysts; minor biotite and locally abundant garnet; large enclaves of schist and gneiss are locally abundant, accompanied by biotite schlieren and selvages; nonmagnetic	Middle Cambrian to Middle Ordovician
G409	Hassall Creek Granodiorite	Biotite-hornblende granodiorite: massive, grey, medium to coarse grained, equigranular; accessory magnetite and sphene; rare mafic microgranitoid enclaves. Includes minor quartz diorite: fine to medium grained, equigranular dominated by hornblende, plagioclase and biotite, with minor quartz, clinopyroxene, alkali feldspar and chalcopyrite; magnetic	Lancefieldian to Lancefieldian
G41	Tarlton Granite	Granite, composition variable: hornblende, biotite and muscovite; medium to coarse-grained; I-type	Silurian to Devonian
G410	Kout Norien Granodiorite	Biotite-muscovite granodiorite: foliated, medium grained, porphyritic with phenocrysts of plagioclase and microcline; accessory sillimanite; common enclaves of schist and migmatite; foliation is defined by biotite-rich schlieren; non-magnetic	Middle Cambrian to Early Ordovician
G411	Marn Mering Granodiorite	Muscovite-biotite leucogranodiorite: massive to weakly foliated, light grey, medium to coarse grained, weakly microcline-phyric; accessory garnet in western part of pluton; non-magnetic	Middle Cambrian to Early Ordovician
G413	Schofield Granite	Muscovite-biotite granite: heterogeneous, foliated, light buff, medium to coarse grained, porphyritic with megacrysts of microcline; foliation defined by schlieren and aligned biotite-muscovite clots and selvages; abundant schist and migmatite enclaves. Includes garnet pegmatite lenses and biotite- and plagioclase-rich horizons; non-magnetic	Middle Cambrian to Early Ordovician
G414	Carrigeen Granodiorite	Muscovite-biotite granodiorite: massive to foliated, bluish-white, medium grained, equigranular; local accessory garnet; metasedimentary enclaves, microcline megacrysts and schlieric foliation become more abundant toward the periphery	Middle Cambrian to Early Ordovician
G415	Scrubby Junction Granodiorite	Biotite-muscovite granodiorite: foliated, medium to coarse grained, porphyritic with microcline phenocrysts; schlieric layering and nebulitic banding are common; common enclaves of schist. Includes pegmatite and sheets of garnet leucogranite; non-magnetic	Middle Cambrian to Early Ordovician
G416	Dunmore Leucotonalite	Muscovite tonalite: foliated, white to pale green, coarse grained, equigranular with rare biotite; pervasive schlieric foliation; abundant enclaves of gneiss and migmatite	Middle Cambrian to Early Ordovician
G417	Kassingbrook Granodiorite	Muscovite-biotite granodiorite: massive, light grey-buff, medium to coarse grained, porphyritic with microcline phenocrysts; common mafic biotite-rich microgranitoid enclaves; local migmatite enclaves and schlieric layering; non-magnetic	Middle Cambrian to Early Ordovician
G418	Cloven Hills Granodiorite	Biotite-hornblende granodiorite: massive, light buff, medium to coarse grained, equigranular; accessory magnetite, sphene, allanite and epidote; magnetic	Late Cambrian to Early Ordovician
G419	Loftus Creek Granodiorite	Hornblende-biotite granodiorite: massive, grey, medium to coarse grained, porphyritic with phenocrysts of biotite and alkali feldspar; accessory magnetite and sphene; uncommon microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician
G42	Cape Conran Granite	Granite: composition variable; muscovite, biotite-(hornblende); coarse-grained; mylonitic; I-type	Silurian to Devonian
G421	Wando Tonalite	Biotite-hornblende tonalite: foliated, grey, fine to medium grained, equigranular; accessory magnetite, epidote, sphene and allanite; enclaves are hornblende-biotite microgranitoid types; magnetic	Middle Cambrian to Early Ordovician
G422	Saint Elmo Granodiorite	Biotite granodiorite: massive, light grey, medium grained, equigranular; accessory magnetite; rare small biotite-rich enclaves; weakly magnetic	Middle Cambrian to Early Ordovician
G423	Ferres Creek Tonalite	Biotite-hornblende tonalite: foliated, grey, medium to coarse grained, equigranular; accessory quartz, microcline, magnetite and epidote; some samples contain clinopyroxene; magnetic	Middle Cambrian to Early Ordovician
G424	Dergholm Granite	Biotite granite: massive, pink, medium to coarse grained, leucogranite; equigranular to weakly porphyritic in alkali feldspar; accessory magnetite and fluorite; magnetic to nonmagnetic	Early Ordovician to Early Ordovician
G425	Tuloona Granodiorite	Biotite granodiorite: massive to weakly foliated, light grey, medium to coarse grained, porphyritic with phenocrysts of quartz and microcline; accessory muscovite and magnetite; common mafic biotite-rich microgranitoid enclaves; also enclaves of migmatite and schist; biotite-rich schlieren locally common; magnetic.	Middle Cambrian to Early Ordovician
G426	Koolomurt Granodiorite	Biotite granodiorite: massive, greenish-grey, medium to coarse grained, equigranular; accessory magnetite, sphene and allanite; sporadic mafic biotite-hornblende-rich mafic microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician
G427	Torah Granodiorite	Biotite granodiorite: foliated, fine to medium grained, light grey, equigranular; accessory magnetite and epidote; weakly magnetic	Middle Cambrian to Early Ordovician
G428	Kooreelah Gabbro-Diorite	Quartz diorite to quartz monzodiorite: massive, dark grey-brown, medium-grained, equigranular containing plagioclase, biotite, clinopyroxene, orthopyroxene and magnetite; magnetic	Middle Cambrian to Early Ordovician
G429	Wennicott Tonalite	Biotite tonalite: foliated, bluish-grey, medium grained, equigranular; accessory magnetite and epidote; rare hornblende-rich microgranitoid enclaves; migmatite enclaves common near western boundary.; non-magnetic	Middle Cambrian to Early Ordovician
G43	Mount Raymond Granite	Riebeckite-biotite granite: medium-grained; foliated; I-type intrusive	Early Devonian to Early Devonian
G432	Cairns Creek Granodiorite	Rim of hornblende-biotite granodiorite: massive, pale greenish, coarse grained, porphyritic with plagioclase, biotite, hornblende and quartz phenocrysts; accessory magnetite, sphene and allanite; magnetic. Core of biotite granodiorite: massive, coarse grained, alkali feldspar-phyric to equigranular, with accessory magnetite and sphene; weakly magnetic.	Late Cambrian to Early Ordovician
G433	Chetwynd Tonalite	Biotite tonalite: massive, bluish-grey, coarse grained with quartzphenocrysts; accessory magnetite and rare allanite; uncommon mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician
G436	Barrama Microgranite	Biotite microgranite: massive, grey-buff, fine grained, porphyritic with phenocrysts of microcline, quartz, biotite and plagioclase; accessory muscovite and magnetite; magnetic	Late Cambrian to Early Ordovician
G437	Snake River Tonalite	Hornblende-biotite tonalite: foliated, grey, medium grained; porphyritic in hornblende; accessory magnetite, epidote, sphene and allanite. Numerous hornblende-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician

Code	Name	Description	Age
G438	Brimboal Granodiorite	Biotite-hornblende granodiorite: foliated to massive, bluish-grey, medium to coarse grained, equigranular; occasional biotite-rich microgranitoid enclaves; accessory magnetite; magnetic	Middle Cambrian to Early Ordovician
G439	Blair Atholl Granite	Biotite-muscovite granite: foliated, pale tan, coarse grained leucocratic, equigranular; accessory garnet; rare biotite-rich microgranitoid enclaves; enclaves of migmatite and biotite-rich schlieren common near southern margin; magnetic	Middle Cambrian to Early Ordovician
G44	Orbost Tonalite	Hornblende-biotite tonalite: fine to medium-grained; medium to dark grey; with small enclaves; altered; I-type	Silurian to Devonian
G442	Mooree Granodiorite	Muscovite-biotite granodiorite: massive to weakly foliated, palegrey-buff, medium grained equigranular to weakly alkali feldspar-phyric; accessory magnetite and epidote; uncommon biotite-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician
G443	Patawilya Tonalite	Biotite-muscovite tonalite: massive, light grey-buff, medium to coarse grained, equigranular; accessory magnetite, epidote and chalcopyrite; common mafic biotite-rich microgranitoid enclaves; magnetic to weakly magnetic	Middle Cambrian to Early Ordovician
G444	Awaiti Granite	Muscovite-biotite granite: foliated to massive, buff, medium grained, porphyritic with phenocrysts of microcline and quartz; local schlieric foliation; metasedimentary enclaves common near northern margin; non-magnetic	Middle Cambrian to Early Ordovician
G445	Bryan Creek Granodiorite	Biotite-muscovite granodiorite: foliated, grey, medium grained, porphyritic with phenocrysts of plagioclase and alkali feldspar; accessory sillimanite; foliation defined by aligned biotite, muscovite, and micaceous selvages; sporadic enclaves of schist; non-magnetic	Middle Cambrian to Early Ordovician
G446	Glengoyne Granite	Muscovite-garnet leucogranite: massive, white, fine to medium grained, porphyritic with microcline megacrysts and rare biotite; pegmatite, aplite and microgranite phases occur; non-magnetic	Middle Cambrian to Early Ordovician
G447	Gringegalgona Granite	Muscovite granite: massive to foliated, white, medium to coarse grained, porphyritic with phenocrysts of microcline and muscovite; schist and migmatite enclaves locally abundant; foliation is schlieric and accompanied by aligned microcline phenocrysts; non-magnetic	Middle Cambrian to Early Ordovician
G448	Glendara Granite	Muscovite-biotite granite: massive, cream coloured, coarse grained, porphyritic with phenocrysts of alkali feldspar; accessory magnetite; rare mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician
G449	Kadnook Creek Granodiorite	Biotite-muscovite granodiorite: massive, medium grained; accessory magnetite; strongly weathered; magnetic	Middle Cambrian to Early Ordovician
G45	Jarrahmond Granite	Hornblende-biotite granodiorite: grey-green, medium-grained with some elongate mafic enclaves; I-type	Silurian to Devonian
G46	Broken Leg Granite	Hornblende-biotite granodiorite: grey-green, medium-grained, weathered; I-type	Silurian to Devonian
G460	Phipps Granite	Biotite leucogranite: cream to pink; equigranular medium-grained; unfoliated; contains plagioclase, orthoclase, biotite, rare muscovite.	Silurian to Devonian
G461	Jirnkee Granite	Muscovite leucogranite: coarse-grained; pale grey; homogeneous; consists of perthitic microcline, quartz, plagioclase, muscovite.	Silurian to Devonian
G462	Horsehair Creek Tonalite	Biotite-hornblende tonalite: fine to medium-grained, foliated; contains quartz, plagioclase, biotite, hornblende; weak magmatic foliation due to aligned biotite, hornblende and plagioclase.	Silurian to Early Devonian
G463	Racecourse Plain Tonalite	Biotite-hornblende tonalite: medium-grained, equigranular; contains quartz, plagioclase (commonly with distinct calcic cores), biotite, hornblende, cummingtonite (within hornblende)	Silurian to Early Devonian
G464	Junction Plain Tonalite	Hornblende-biotite tonalite: medium-grained, with magmatic foliation; contains quartz, plagioclase (some with calcic cores), biotite, hornblende.	Silurian to Early Devonian
G465	Tucker Creek Tonalite	Biotite-hornblende tonalite: medium-grained; contains quartz, plagioclase, biotite (replaced by chlorite and sphene) and relics of brown hornblende; alteration minerals include sericite, carbonate, epidote.	Silurian to Early Devonian
G466	Parslow Diorite	Kaersutite-augite diorite: medium-grained, equigranular; metamorphosed; contains plagioclase, kaersutite, augite, quartz, apatite; metamorphic epidote, actinolite, chlorite, sphene, probable albite.	Silurian to Early Devonian
G467	Bundara Munjie Quartz Diorite	Hornblende-biotite quartz diorite: fine to medium grained; porphyritic, with large hornblende and biotite phenocrysts, lesser plagioclase, augite phenocrysts in groundmass of fine plagioclase, accessory quartz and magnetite; common chlorite, epidote alteration.	Silurian to Early Devonian
G468	Dry Gully Granodiorite	Biotite granodiorite; fine to medium-grained, porphyritic; with large euhedral plagioclase phenocrysts in a groundmass of quartz, plagioclase, K-feldspar, biotite, muscovite.	Silurian to Early Devonian
G47	Feltis Farm Tonalite	Hornblende-biotite tonalite: grey-green; fine to medium-grained; altered; I-type	Silurian to Devonian
G48	Dysentery Tonalite	Hornblende-biotite tonalite: coarse-grained; abundant mafic inclusions; I-type	Silurian to Devonian
G49	Brodribb Granodiorite	Biotite granodiorite: medium grained, greyish blue; I-type	Llandovery to Wenlock
G5	Croajingalong Granite	Biitote granite: pink, coarse, porphyritic; rare microgranitoid enclaves	Early Devonian to Early Devonian
G50	Goongerah Granodiorite	Hornblende-biotite granodiorite: medium to coarse grained, bluish grey; contains abundant dark enclaves; I-type	Llandovery to Wenlock
G501	Yarak Granite	Biotite-hornblende granite: felsic; porphyritic; weakly foliated; I-type	Silurian to Devonian
G502	Watchmaker Granodiorite	Biotite granodiorite: medium to coarse-grained; K-feldspar rich; I-type	Silurian to Devonian
G503	Purgagoolah Granite	Granite: coarse to medium-grained; weathered; I-type?	Wenlock to Wenlock
G504	Pike Hill Granodiorite	Biotite granodiorite: coarse to medium-grained; foliated; weathered; S-type	Wenlock to Wenlock

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G505	Scrubby Flat Gabbro	Pyroxene-hornblende gabbro and gabbronorite: medium to coarse-grained; I-type	Llandovery to Wenlock
G506	Mount Jack Granite	Biotite-muscovite granodiorite: with cordierite, garnet; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock
G507	Kent Road Granite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type	Llandovery to Wenlock
G508	Ocean View Granite	Biotite-muscovite granodiorite: with cordierite; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock
G508	Ocean View Granite - mylonitic granodiorite	Muscovite-biotite granodiorite: coarse-grained; mylonitic; with sparse enclaves; S-type	Wenlock to Wenlock
G509	Rocky Jack Granite	Granite: felsic; foliated; altered, with clinozoisite/epidote; I-type?	Llandovery to Wenlock
G51	Jungle Creek Granodiorite	Biotite granodiorite: coarse grained, pale to greenish grey; I-type	Llandovery to Wenlock
G512	Cooney Ridge Granodiorite	Hornblende-biotite granodiorite: medium to coarse-grained; I-type	Llandovery to Wenlock
G513	Case Granite	Leucocratic granite: medium-grained, very poorly exposed and altered; I-type	Middle Devonian to Middle Devonian
G514	Mollys Plain Granite	Felsic biotite granite: medium-grained, with graphic intergrowth of quartz and perthitic K-feldspar; I-type	Middle Devonian to Middle Devonian
G515	Crohn Granite	Tonalite: medium-grained, porphyritic, green-grey	Wenlock to Wenlock
G516	Kaerwut Tonalite	Biotite tonalite: medium-grained equigranular with porphyritic marginal phase; I-type	Wenlock to Wenlock
G517	Doctors Flat Tonalite	Biotite-hornblende tonalite and granodiorite: grey; medium to coarse-grained; rare phenocrysts; massive to foliated; sporadic small mafic igneous enclaves	Early Devonian to Early Devonian
G518	Holstons Tonalite	Biotite-hornblende tonalite; grey, medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
G519	Mount Burt Granite	Biotite granite and tonalite: grey; medium-grained; equigranular; well foliated; contains some garnet and cordierite	Wenlock to Ludlow
G519i	Mount Burt Granite - dyke phase	Interlayered Mount Burt Granite and gneiss, layers 1-10 m thick	Wenlock to Ludlow
G52	Bonang Granodiorite	Hornblende granodiorite: medium grained; gey; I-type	Llandovery to Wenlock
G520	Wakefield Granite	Biotite granite: pink, coarse grained, massive; slightly porphyritic in K-feldspar; numerous microgranite and mafic dykes	Early Devonian to Early Devonian
G521	Yambulla Granodiorite	Biotite granodiorite: pale grey, medium grained, massive	Early Devonian to Early Devonian
G522	Wroxham Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained with abundant mafic inclusions; massive to moderately foliated; contains thin mylonite zones	Early Devonian to Early Devonian
G523	Sarah Allen Granodiorite	Biotite-minor hornblende granodiorite: pale grey, medium grained, massive; plagioclase-rich	Silurian to Early Devonian
G524	Moscow Villa Granodiorite	Biotite granodiorite: grey-green; medium-grained; porphyritic with phenocrysts of all main minerals; biotite has replaced hornblende	Early Devonian to Early Devonian
G525	Bentleys Plain Granodiorite	Granodiorite: grey; coarse-grained equigranular; moderate biotite foliation; occasional igneous enclaves have diffuse margins	Early Devonian to Early Devonian
G526	O'Dell Tonalite	Biotite tonalite: grey; medium to coarse-grained; mostly massive and equigranular; with core of dark green-grey, fine-grained horblende tonalite	Silurian to Devonian
G527	Cocks Break Granodiorite	Granodiorite: grey; medium-grained; porphyritic in biotite	Early Devonian to Early Devonian
G528	Saturday Morning Tonalite	Biotite-hornblende tonalite: fine-grained; porphyritic with tabular hornblende phenocrysts.	Early Devonian to Early Devonian
G529	Green Hills Granodiorite	Biotite granodiorite and granite: grey, medium to coarse grained, commonly containing cordierite; common metasedimentary xenoliths	Llandovery to Pridoli
G53	Woollybutt Quartz Monzodiorite	Actinolite quartz monzodiorite: porphyritic; medium grained; dark green; pyritic; I-type.	Silurian to Devonian
G530	Whitegum Tonalite	Biotite - minor hornblende tonalite: grey, medium grained, massive; conspicuous quartz grains; mafic inclusions and porphyritic dykes; I-type	Early Devonian to Early Devonian
G531	Archie Granodiorite	Biotite - minor hornblende granodiorite: grey, medium to coarse grained, massive; scattered hornblende crystals to 12 mm long; I-type	Early Devonian to Early Devonian
G532	Grass Flat Granite	Biotite granite containing cordierite; S-type; includes mafic phases that may be distinct intrusions.	Llandovery to Pridoli
G533	Coopracambra Tonalite	Hornblende-biotite tonalite: dark grey green, coarse grained, massive; strongly porphyritic in quartz and feldspar; strongly altered	Early Devonian to Early Devonian
G534	Crowstick Diorite	Hornblende-bearing quartz diorite.	Llandovery to Early Devonian
G535	Silver Flat Porphyries	Feldspar-quartz porphyry: brown, red, grey; variable amounts of quartz and feldspar; fine recrystallised groundmass; commonly displays well developed columnar jointing	Ludlow to Early Devonian

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G536	Mowamba Porphyries	Quartz-feldspar porphyry: green; medium-grained; strong epidote, sericite and chlorite alteration of relict hornblende and feldspar	Early Devonian to Early Devonian
G54	Iona Tonalite	Tonalite: medium to fine grained, pale green to pink; moderately foliated	Llandovery to Wenlock
G540	Commins Track Leucogranite	Leucogranite: grey to pink; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian
G541	Tongio Tonalite	Tonalite: mid- to dark grey; fine-grained equigranular; massive; minor quartz diorite and hornblende-rich gabbro	Early Devonian to Early Devonian
G545	Brookville Granite	Granite: pale pink to cream; medium-grained; massive; minor dark coarse-grained hornblendite and quartz diorite on southern and western margins	Early Devonian to Early Devonian
G546	Bayliss Spur Tonalite	Tonalite: green to grey; medium to coarse-grained; minor pegmatitic leucogranite and hornblendite	Early Devonian to Early Devonian
G547	Marthavale Tonalite	Biotite-hornblende granodiorite, tonalite, quartz diorite: concentrically zoned with variable composition ranging from granodiorite and tonalite to hornblende-bearing quartz diorite; equigranular, fine to medium grained; concentric magnetic zones	Early Devonian to Early Devonian
G548	Jim and Jack Tonalite	Biotite tonalite and minor leucogranite: grey; equigranular; weakly to moderately foliated; magnetic phase coarse-grained with numerous fine to medium-grained microgranitoid enclaves; non-magnetic phase medium-grained; I-type; intruded by leucogranitic porphyry and aplite dykes.	Early Devonian to Early Devonian
G549	Cobungra Granite	Granite, granodiorite: dark grey; fine to coarse-grained; massive to strongly foliated; abundant K-feldspar phenocrysts and small clots of biotite+sillimanite; variable muscovite-biotite-cordierite-sillimanite content; abundant metasedimentary enclaves; grades into migmatite.	Llandovery to Wenlock
G55	Eleven Bob Granodiorite	Hornblende-biotite granodiorite: grey-green, medium-grained extremely weathered where exposed; northern margin is altered; I-type	Silurian to Devonian
G550	Brothers Syenite	Hornblende-biotite syenite: grey, coarsely porphyritic in the south and northeast, equigranular in the northwest; phenocrysts are orthoclase	Triassic to Triassic
G551	MacFarlane Syenite	Hornblende-biotite syenite: grey, coarse, equigranular; augite and aegirine present; local alkali granite with arfvedsonite	Triassic to Triassic
G552	Mole Hill Syenite	Hornblende-biotite-pyroxene syenite: grey to pale orange, medium to coarse grained, equigranular	Triassic to Triassic
G553	Duggan Creek Granite	Biotite granite: grey, equigranular	Triassic to Triassic
G554	Beloka Gap Granite	Biotite granite: grey, strongly porphyritic in quartz and feldspar, miarolitic cavities often lined with smoky quartz	Triassic to Triassic
G555	Bung Bung Syenite	Hornblende-biotite syenite: pale grey, medium to coarse grained, equigranular, porphyritic in the south	Triassic to Triassic
G556	Percydale Granite	Granite: grey to red, strongly porphyritic in quartz and feldspar, groundmass ranges from glassy to equigranular with rare biotite and fluorite.	Triassic to Triassic
G557	Grand View Syenite	Biotite-hornblende syenite: mid to dark grey, coarse-grained, with orthoclase phenocrysts	Triassic to Triassic
G558	Sisters Granite	Biotite alkali granite, quartz syenite: cream; fine to medium-grained; rare small K-feldspar phenocrysts	Triassic to Triassic
G558	Sisters Granite - syenite phase	Biotite-hornblende-quartz syenite: fine-grained; equigranular	Triassic to Triassic
G559	Day Hill Syenite	Biotite syenite, quartz syenite: leucocratic; equigranular coarse-grained	Triassic to Triassic
G56	Double Bull Granodiorite	Hornblende granodiorite: grey-green, coarse-grained, weathered; I-type	Silurian to Devonian
G566	Allwood Granodiorite	Biotite-muscovite-cordierite granodiorite: pale to medium bluish grey, weathering to pale brownish grey; fine to medium-grained; locally foliated; sparse enclaves of schist, dark grey psammite; very rare enclaves of vein quartz; S-type; nonmagnetic	Llandovery to Llandovery
G567	Mount Alfred Granite	Two-mica cordierite granite: pale brownish grey, fine grained and equigranular; abundant small metasedimentary enclaves; S-type; nonmagnetic; weathered	Wenlock to Pridoli
G568	Burbibiong Granite	Biotite cordierite granite: brownish grey, medium to fine grained; locally foliated; S-type; nonmagnetic	Wenlock to Pridoli
G569	Thowgla Creek Granite	Biotite cordierite granite: brownish grey, medium to coarse grained; mostly porphyritic in K-feldspar; S-type; nonmagnetic	Wenlock to Pridoli
G57	Bete Bolong Granodiorite	Hornblende granodiorite: grey-green, medium to coarse-grained; I-type	Silurian to Devonian
G570	Keelangie Creek Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained equigranular; I-type; nonmagnetic; weathered; minor pale green amphibole, chlorite, sphene and opaques.	Ludlow to Ludlow
G571	Berringama Granodiorite	Biotite granodiorite: dark grey, medium grained; equigranular, mainly weakly to moderately foliated; I-type; nonmagnetic	Wenlock to Pridoli
G572	Guys Forest Granodiorite - hornblende granodiorite phase	Hornblende granodiorite: pale grey, medium grained; few enclaves; I-type; intensely magnetic	Lochkovian to Emsian
G572	Guys Forest Granodiorite biotite granodiorite phase	Biotite granodiorite: grey, medium grained, mostly foliated; I-type; non-magnetic	Lochkovian to Pragian
G573	Touzells Granodiorite	Biotite granodiorite: dark grey, medium grained, minor amphibole; equigranular interior and porphyritic margin; I-type; moderately magnetic	Wenlock to Pridoli
G574	Beetoomba Granodiorite	Hornblende granodiorite: pinkish grey, medium grained; equigranular; I-type; very altered; highly magnetic	Wenlock to Pridoli

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Code	Name	Description	Age
G575	Lucyvale Granite	Biotite leucogranite: deep pink, variably fine to coarse grained; contains greenish brown biotite pervasively altered; highly magnetic	Early Devonian to Middle Devonian
G577	Murray Gates Leucogranite	Leucogranite: grey to pink, medium to coarse grained; up to 5% biotite; massive and equigranular with some porphyritic phases; nonmagnetic. Includes small pods of pegmatite, which occur as dykes and blebs.	Early Devonian to Middle Devonian
G578	Harringtons Tonalite	Hornblende tonalite: mid to dark grey, medium grained; strongly foliated; contains several large hornfels rafts; I-type; nonmagnetic	Wenlock to Pridoli
G579	Coynallan Tonalite	Hornblende tonalite: medium grained equigranular to coarse and porphyritic; massive to foliated; numerous round mafic enclaves to several metres across; I-type; weakly to moderately magnetic	Wenlock to Pridoli
G58	Towzer Creek Granite	Biotite-muscovite-andalusite granodiorite: medium-grained; foliated with numerous schistose enclaves; S-type	Silurian to Devonian
G580	Hermit Granite - weakly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; weakly magnetic	Wenlock to Pridoli
G580	Hermit Granite - highly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; highly magnetic	Wenlock to Pridoli
G582	Mount Unicorn Porphyry	Quartz-feldspar porphyry: pale cream to buff coloured; bipyramidal quartz phenocrysts and altered feldspar; patchily to pervasively altered; nonmagnetic and magnetic phases	Early Devonian to Middle Devonian
G583	Halls Paddock Diorite	Hornblende diorite: dark grey to green, coarse, equigranular to strongly porphyritic; intensely magnetic	Early Devonian to Early Devonian
G59	Postman Spur Granodiorite	Biotite-cordierite granodiorite: medium grained, abundant inclusions of gneiss and schist; S-type.	Llandovery to Wenlock
G6	Wangarabell Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, massive to foliated with thin mylonite zones; slightly porphyritic in abundant plagioclase; accessory sphene and magnetite; I-type	Early Devonian to Early Devonian
G60	Rodger River Granodiorite	Biotite-augite granodiorite: slightly K-feldspar phyric; with igneous and sedimentary enclaves; I-type	Silurian to Devonian
G61	Waratah Flat Granite	Hornblende granite: coarse grained; green.	Silurian to Devonian
G62	Bull Run Gap Granite	Felsic biotite granite: fine to medium grained; grey; S-type.	Llandovery to Wenlock
G623	Whitimaria Granite	Leucocratic muscovite granite: pale grey, medium grained; very poorly exposed	Early Devonian to Early Devonian
G624	Pental pluton	Granite: distinguished by geophysical response; very poorly subcropping	Early Devonian to Middle Devonian
G628	Woosang Granite	biotite granodiorite: S-type, reduced; medium grained; weakly porphyritic; contains cordierite	Early Devonian to Middle Devonian
G65	Mount McLeod Tonalite	Hornblende tonalite: medium grained, massive; green to grey; I-type	Silurian to Devonian
G66	Campbells Knob Granodiorite	Biotite granodiorite: medium grained; pale grey; abundant gneiss and biotite schist enclaves, aplite and Snowy River Volcanic dykes	Llandovery to Wenlock
G67	Cabanandra Granodiorite	Biotite granodiorite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock
G69	Hobbs Granite	Hornblende granite: fine to medium grained; grey; I-type	Llandovery to Wenlock
G7	Genoa Peak Granite	Biotite granite: pink; porphyritic with phenocrysts of orthoclase, plagioclase and quartz; accessory magnetite	Early Devonian to Early Devonian
G70	Dellicknora Granite	Biotite-cordierite granite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock
G701	Cattleyard Granite	Granitic rock; moderately magnetic, low K, low Th, moderate U	Llandovery to Wenlock
G71	Amboyne Granodiorite	Biotite-cordierite granodiorite: medium grained; dark grey; abundant inclusions; S-type	Llandovery to Wenlock
G73	Gattamurh Granite	Granite: mafic I-type; magnetic	Wenlock to Early Devonian
G74	Suggan Buggan Granodiorite	Biotite-cordierite granodiorite: coarse grained, quartz phyric; S-type	Llandovery to Wenlock
G75	Mowambah Granodiorite	Biotite granodiorite: contains cordierite, sillimanite and accessory monazite, ilmenite and pyrrhotite; common metasedimentary xenoliths; mafic S-type	Wenlock to Wenlock
G76	Chilpin Granodiorite	Biotite granodiorite: very fine to medium grained; S-type	Llandovery to Wenlock
G77	Barrabilly Granite	Biotite-cordierite granite, fine to medium grained; dark grey; S-type	Llandovery to Wenlock
G79	Kimberly Park Granite	Granodiorite: medium-grained, grey, foliated; contains large metasedimentary enclaves	Llandovery to Wenlock
G8	Betka Granodiorite	Biotite-hornblende granodiorite: coarse grained with large pink K-feldspars occasionally mantled by plagioclase; accessory sphene; I-type	Early Devonian to Early Devonian
G80	Hinno Munjie Granite	Biotite granite: grey to pink, medium-grained; foliated; composition variable; numerous metasedimentary enclaves	Llandovery to Wenlock
G81	Bingo Munjie Quartz Diorite	Hornblende-biotite quartz diorite: medium grained; dark green; epidote alteration; mafic enclaves common	Ludlow to Pragian
G82	Ludrik Munjie Granite	Biotite-muscovite granite: dark to light grey; medium to coarse-grained; well foliated; high compositional variability: numerous metasedimentary enclaves; generally weathered	Llandovery to Wenlock

Code	Name	Description	Age
G83	Penderlea Granite	Granitic rock of uncertain composition: weathered granite and granitic soil	Llandovery to Wenlock
G84	Wattle Grove Granite	Muscovite-biotite granite: grey; medium-grained; foliated, margins rich in metasedimentary enclaves	Llandovery to Wenlock
G85	Mac Creek Granodiorite	Muscovite granite: grey; medium-grained; foliated; deeply weathered; margins rich in metasedimentary enclaves	Llandovery to Wenlock
G86	Greggs Granodiorite	Muscovite-biotite granite: grey; medium to coarse grained; with tourmaline, cordierite, garnet, sillimanite; foliated	Llandovery to Wenlock
G87	Buckwong Granodiorite	Biotite granodiorite: dark grey; medium-grained; felsic northern phase locally foliated	Llandovery to Wenlock
G87a	Buckwong Granodiorite felsic phase	Felsic phase, locally foliated, pink in radiometrics	Llandovery to Wenlock
G88	Butchers Block Tonalite	Tonalite; magnetic; I-type	Early Devonian to Early Devonian
G89	Tom Groggin Granite	Granite	Wenlock to Pridoli
G9	Wingan Granite	Granite: magnetic; I-type	Early Devonian to Early Devonian
G90a	Boebuck Granodiorite - magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; highly to intensely magnetic	Early Devonian to Early Devonian
G90b	Boebuck Granodiorite - highly magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; intensely magnetic; forms a ring-shaped feature in the magnetic image	Early Devonian to Early Devonian
G90c	Boebuck Granodiorite - porphyritic diorite phase	Porphyritic diorite: pale pink and beige; medium grained, large phenocrysts of pinkish yellow plagioclase; common blebby enclaves of feldspar porphyry; I-type; highly magnetic	Early Devonian to Early Devonian
G90d	Boebuck Granodiorite - porphyritic phase	Porphyritic granite: pale pink and beige; medium grained, rich in K-feldspar; nonmagnetic	Early Devonian to Early Devonian
G91a	Bunroy Hut Granite - moderately magnetic phase	Biotite granite: moderately porphyritic; equant quartz phenocrysts to 10 mm across; I-type; low to moderately magnetic	Wenlock to Pridoli
G91b	Bunroy Hut Granite - highly magnetic phase	Biotite granodiorite: grey, medium to coarse grained and equigranular; occasional small ovoid microgranular mafic enclaves; I-type; highly magnetic	Wenlock to Pridoli
G91c	Bunroy Hut Granite - leucocratic phase	Leucogranite and biotite granite: grey, massive equigranular; I-type; moderately magnetic	Wenlock to Pridoli
G92	Corryong Granite	Two-mica cordierite granite: grey, medium to very coarse grained; equigranular to strongly porphyritic in K-feldspar; locally contains sillimanite or andalusite; S-type;	Wenlock to Pridoli
G94	Nariel Granite	Muscovite-biotite granite: leuco- to mesocratic, light yellow-brown, equigranular to weakly porphyritic in feldspar; medium-grained; massive; S-type; nonmagnetic	Wenlock to Pridoli
G95	Wabba Granite	Biotite-muscovite granite: grey, medium to coarse grained; includes both fine grained and coarse grained porphyritic areas; S-type; nonmagnetic	Wenlock to Pridoli
G96	Burrungabugge Granodiorite	Hornblende-biotite granodiorite: dark green, medium-grained; epidote alteration common; highly magnetic	Early Devonian to Early Devonian
G97	Jingellic Tonalite	Hornblende tonalite: medium to dark grey, medium grained; equigranular; foliated; S-type; nonmagnetic; occurs as small pods within Corryong Granite	Middle Ordovician to Middle Ordovician
G98	Mount Mittamatite Granite	Biotite-rare amphibole granite: pale pink, fine to medium grained; minor fine grained porphyritic granite pods; slightly pervasively altered; highly magnetic	Early Devonian to Middle Devonian
G99	Pine Mountain Granite	Biotite leucogranite: pale to deep pink, medium to coarse grained; minor fine grained granite pods; nonmagnetic	Early Devonian to Early Devonian
Gdb	Dead Bird Suite	Hornblende-biotite diorite/granodiorite: dark grey-green, fine to medium-grained, equigranular; often strong epidote-chlorite alteration; plugs	Early Devonian to Early Devonian
Gx	Unnamed Silurian and Devonian granites	granitic plutons	Silurian to Devonian
Jc	Coleraine Volcanic Group	Trachyte and basalt: lava flows, lava domes and laccoliths.	Jurassic to Jurassic
Jcd1	Den Hills Formation - lava flows	Lava flows: trachyte, phonolite; cream to dark grey, fine-grained; small phenocrysts of sanidine locally abundant; common flow foliation	Jurassic to Jurassic
Jcd2	Den Hills Formation - domes and laccoliths	Domes and laccoliths: trachyte, phonolite and microsyenite; cream to dark grey equigranular to sanidine-phyric. Flow foliation is common; some have random felty texture	Jurassic to Jurassic
Jch	Hypatia Formation	Flows and plugs of olivine basalt, nephelenite, hawaiite, basanite, mugearite, ankaramite, picrobasalt. Flows are black, vesicular, fine-grained with common small phenocrysts of olivine and pyroxene. Plugs are strongly porphyritic in olivine and pyroxene.	Jurassic to Jurassic
Jxg	Gallows Hill Phonolite	Phonolite	Jurassic to Early Cretaceous
Jxt	Unnamed trachyte and phonolite plugs and sills	Trachyte and phonolite: grey to light brown, either plain or with diffuse spots; plugs and sills	Jurassic to Early Cretaceous
Kob	Barwon River Conglomerate	Conglomerate, minor sandstone, pebbly sandstone, mudstone: conglomerate is poorly sorted with clasts of hornfels, gabbro and granite in a matrix of granitic sand	Albian to Albian

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Code	Name	Description	Age	Code	Name	Description	Age
Koe	Eumeralla Formation	Sandstone, mudstone, mud-clast conglomerate, minor coal: blue-green to grey; arkose to feldsarenite; fine to medium grained, mostly medium to thick-bedded, cross-bedded	Early Cretaceous to Early Cretaceous	Net3	Newer Volcanic Group - trachyte plug	Trachyte: creamy white with phenocrysts of anorthoclase and kaersutite in a groundmass of sanidine and opaques.	Miocene to Pleistocene
Kstl	Locmany Formation	Sandstone, siltstone, minor conglomerate, coal: sandstones are quartzarenite, sublitharenite, litharenite, very rare lithic arkose and feldsarenite; very fine to medium-grained; generally thick-bedded; cross-bedded; siltstone pale grey to brown, thin-bedded; or dark grey to black, thick-bedded; contains rich fossil flora	Valanginian to Hauterivian	Nh	Heytesbury Group	Calcarenite, marl, silt	Oligocene to Miocene
Kstt	Tyers Conglomerate	Conglomerate, pebbly sandstone, rare siltstone, shale: cobble, minor pebble and occasional boulder conglomerate massive to cross-bedded; variable rounding; low sphericity; polymictic; sandstone very coarse to fine-grained; bedded	Berriasian to Valanginian	Nhc	Clifton Formation	Calcarenite: generally medium to coarse grained, fragments of bryozoans, molluscs and echinoids, minor quartz and limonite sand; moderately bedded, alternating poorly and well-cemented beds; shallow marine and minor beach and near shore deposits	Oligocene to Miocene
Ksw	Wonthaggi Formation	Lithic volcanoclastic sandstone, arkose, siltstone, minor conglomerate and coal; fluvial	Early Cretaceous to Early Cretaceous	Nhg	Gellibrand Marl	Calcareous silty clay and clayey silt: minor fine to coarse grained shelly calcarenite beds, abundant bryozoans and molluscs, common echinoids, brachiopods, corals, crabs and shark teeth, locally abundant glauconite pellets; strongly burrowed, massive to moderately bedded; continental shelf deposit	Chattian to Miocene
Kxb	Ballark Conglomerate	Conglomerate, minor sandstone: pebble to boulder conglomerate; massive; clasts predominantly of Ordovician sandstone with minor vein quartz pebbles; sandstone medium to coarse-grained; cross-bedded; with occasional pebbles	Early Cretaceous to Early Cretaceous	Nhp	Port Campbell Limestone	Calcarenite, minor calcilutite: generally fine-grained; bryozoan, mollusc, echinoid and brachiopod fragments, minor coarse-grained calcarenite, quartz sand and clayey silt; weakly cemented, moderately bedded; continental shelf deposit	Miocene to Miocene
Kxi	Cretaceous, intrusive rocks	Basalt, olivine microgabbro; dykes and plugs	Cretaceous to Cretaceous	Nl	Sale Group	Clastics and carbonate sediments: includes gravel, claystone, sandstone, siltstone; nonmarine to marginal marine	Miocene to Pliocene
Mxn	Nekeeya Gravel	Polymictic conglomerate: poorly sorted and unconsolidated; variably rounded clasts of granodiorite and sandstone up to boulder size in a sandstone matrix; auriferous at base	Cretaceous to Neogene	Nlh	Haunted Hills Formation	Sand, silt, gravel: various shades of brown, yellow, red, white; variably sorted; variably rounded; crudely to well-bedded; commonly strongly oxidised with ironstone near the top and also within the formation	Pliocene to Pleistocene
Na	incised alluvium	Gravel, sand, silt, minor ferricrete; variably incised.	Pliocene to Pleistocene	Ns	Seaspray Group	Clastic sedimentary rocks: calcareous and ferruginous sandstone, marl; nonmarine to paralic clastics, marine clastics, marine carbonates	Rupelian to Miocene
Nb	Brighton Group	Gravel, sand, silt: variably calcareous to ferruginous sandstones and coquinas; marine to nonmarine	Miocene to Pliocene	Nsg	Gippsland Limestone	Calcarenite, marl	Miocene to Miocene
Nbb	Black Rock Sandstone	Sand, sandstone, conglomerate, minor sandy limestone, local ironstone: pale to dark brown, reddish brown; generally very well sorted, variably cemented; horizontally laminated to low-angle cross-laminated; glauconitic; contains shelly fossils and burrows	Miocene to Pliocene	Nt	Torquay Group	Marlstone, limestone, mudstone, sandstone, minor lignite	Oligocene to Miocene
Nbr	Red Bluff Sandstone	Sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone	Miocene to Pliocene	Ntb	Batesford Limestone	Limestone (calcarenite), minor sandstone and conglomerate: limestone pale brown to white; bryozoal; well sorted; well bedded; calcareous sandstone and gravel at base.	Aquitanian to Miocene
Nc1	incised colluvium	Silt, sand, gravel: generally poorly sorted and poorly rounded except within channels cut into colluvial material; dissected to variable degrees	Pliocene to Holocene	Ntg	Gellibrand Marl	Marl, mudstone, sandstone, calcarenite, minor lignite, ligneous clay: marl blue-green and yellow; abundant carbonate nodules; contains shelly fossils and microfossils; lignite dark brown; contains spores and pollen	Miocene to Miocene
Nc4	dissected granite-derived colluvium	Quartz and feldspar sand and gravel: well sorted, fine to medium grained; derived from granite	Pliocene to Pleistocene	Ntj	Jan Juc Formation	Marl, clay, silt: glauconitic	Oligocene to Oligocene
Ne	Newer Volcanic Group	Mafic to lesser intermediate and ultramafic lavas and pyroclastics and minor intrusive rocks, interbedded sedimentary rocks	Miocene to Holocene	Nubm	Murraduc Basalt	Olivine basalt	Miocene to Miocene
Neaa	Smokers Creek Volcanic Subgroup - basanite lava	Basanite lava: blue-black; very fine-grained to glassy; massive; commonly weathered to clay	Miocene to Pliocene	Nuc	Morass Creek Basalt	Basalt lava: olivine basalt, blue-black to grey when fresh, dense to moderately vesicular, with well developed columnar jointing.	Pliocene to Pliocene
Neab	Smokers Creek Volcanic Subgroup - benmoreite lava	Benmoreite lava: blue-grey; fine-grained; massive; phenocrysts of K-feldspar or anorthoclase, olivine and pyroxene	Miocene to Pliocene	Nuf	Fumina Basalt	Basalt flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, minor nepheline basalt, basanite and nepheline hawaiite.	Burdigalian to Burdigalian
Neah	Smokers Creek Volcanic Subgroup - hawaiite lava	Hawaiite lava: blue-black; fine-grained; massive or with platy flow-banding; small phenocrysts of olivine, plagioclase and pyroxene	Miocene to Pliocene	Nug	Greensborough Basalt	Basalt: blue-grey; phenocrysts of olivine in groundmass of titanaugite, labradorite laths, pyroxene, iron oxide, interstitial glass; olivine partly altered to serpentine.	Aquitanian to Aquitanian
Neam	Smokers Creek Volcanic Subgroup - mugearite lava	Mugearite lava, minor scoria: grey; evenly fine-grained; massive to uncommonly vesicular; sporadic large phenocrysts of anorthoclase	Miocene to Pliocene	Nui	Pine Lodge Leucitite	Dark grey olivine leucitite with phenocrysts of olivine and uncommon clinopyroxene in a groundmass of clinopyroxene, leucite, Fe-Ti oxides, interstitial nepheline and brown Ba- and Ti-rich mica.	Messinian to Messinian
Neat	Smokers Creek Volcanic Subgroup - trachyte lava	Trachyte lava, minor scoria and tuff: near-black when fresh but usually weathered to pale colours; variably porphyritic with small to large phenocrysts of K-feldspar, anorthoclase, occasional albite in fine-grained groundmass; trachytic scoria and tuff well bedded, moderately to well sorted	Miocene to Pliocene	Nul	Glenmaggie Basalt	Basalt flows; alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant	Aquitanian to Aquitanian
Neay	Yungabulla Formation	Diamictic tuff, lapilli deposits: generally dark colours; massive to bedded; lapilli and blocks of trachyte, slate, sandstone vein quartz, occasional pumice in massive ash matrix; poorly consolidated to lithified	Miocene to Pliocene	Num	Maude Basalt	Alkali olivine basalt: dark grey-green; phenocrysts of olivine; commonly deeply weathered	Aquitanian to Aquitanian
Neo	Newer Volcanic Group - basalt flows	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	Nun	Neerim Volcanic Group	Basaltic lava flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, with minor nephelenite, basanite and nepheline hawaiite	Oligocene to Burdigalian
Neo1	Newer Volcanic Group - valley-filling basalt	Olivine basalt: blue-black; fine-grained; olivine phenocrysts; valley-filling flows	Pliocene to Pleistocene	Nuo	Monbulk Volcanic Group	Basaltic lava flows: basanite, olivine tholeiite, hawaiite	Miocene to Miocene
Neo2	Newer Volcanic Group - stony rises basalt	Tholeiitic to alkalic basalt, basanite: youngest flows with little weathering or soil development (stony rises and hummocky lava flows)	Miocene to Holocene	Nup	Pintadeen Basalt	Olivine basalt: blue-black; dense; phenocrysts of labradorite, clinopyroxene, olivine in finer matrix with interstitial devitrified glass; well developed columnar jointing	Aquitanian to Aquitanian
Nep1	Newer Volcanic Group - tuff rings	Tuff rings: pyroclastic base surge and fall deposits consisting of ash, lapilli, scoria, volcanic bombs and calcareous lithic fragments; well-bedded, well sorted, moderately consolidated	Miocene to Holocene	Nurb	Balmattum Basalt	Dark grey mafic volcanic rock with olivine phenocrysts 1-5 mm across in a groundmass of clinopyroxene, olivine, plagioclase, magnetite and glass, with minor analcite after nepheline. Ranges from basanite to alkali basalt.	Miocene to Miocene
Nept	Tower Hill Tuff	Pyroclastic rocks with basaltic and sedimentary clasts; ash and lapilli with scattered blocks and bombs; well layered with planar planar to diffuse bedding; common cross-bedding and climbing ripples	Pleistocene to Holocene	Nurk	Killeen Basalt	Mottled grey basanite with partially altered olivine crystals to 3 mm in a very fine-grained groundmass consisting of clinopyroxene, plagioclase, olivine and opaque minerals.	Miocene to Miocene
Neptp	Piton Scoria Member	Scoria, spatter, ash, nepheline basanite lava: scoria unconsolidated; basanite highly vesicular; small olivine phenocrysts in opaque groundmass	Pleistocene to Holocene	Nurs	Seven Creeks Basalt	Dark grey mafic volcanic rock containing small phenocrysts of olivine in a groundmass of augite, glass, magnetite and rare plagioclase, leucite or nepheline and red-brown biotite; ranges from alkali basalt to basanite; minor scoria and ash.	Miocene to Miocene
Nes	Newer Volcanic Group - scoria deposits	Hawaiite, basanite, nephelinite, mugearite, trachybasalt, trachyandesite; scoria, ash, lapilli, agglutinated lava spatter, volcanic bombs, minor lava flows and calcareous lithic fragments: massive to moderately bedded, poorly consolidated	Miocene to Holocene	Nuu	Tullamarine Basalt	Lava flows: alkali olivine basalt	Aquitanian to Burdigalian
Net1	Newer Volcanic Group - icelandite	Icelandite (trachyandesite): dark grey, fine-grained; occasionally glassy; porphyritic with phenocrysts of plagioclase, pyroxene and minor olivine; xenoliths of Castlemaine Group, recrystallised quartz and gabbro; closely spaced horizontal joints; localised sheet flows	Neogene to Neogene	Nwl	Loxton Sand	Quartz sandstone: well sorted, fine to medium grained; well bedded; abundant lag horizons containing shelly fossils, pebble beds, rounded ironstone fragments; some heavy mineral concentrations; dissected or remobilised strand lines	Messinian to Zanclean
Net2	Newer Volcanic Group - alkaline lavas	Nepheline trachyte and nepheline phonolite: dark green-grey, fine grained; porphyritic with phenocrysts of feldspar; occasional trachytic texture; localised sheet flows and lava domes	Miocene to Quaternary	Nws	Shepparton Formation	Clay, sand, silt, poorly-sorted lenticular gravel. Dissected flood plain alluvium: terraces 1-10 metres above present river channels; well developed soil 2-3 m thick.	Pliocene to Holocene
				Nxa	Whalers Bluff Formation	Bioclastic calcarenite with lenses of foraminiferal clay, shelly clay and marl; quartz sand near the base.	Pliocene to Pliocene
				Nxc	Coimadai Shale	Dolomite, clay, sand, tuff: dolomite: white to yellow; clay variable; laminated to varved; tuff basaltic; sand-sized; graded	Pliocene to Pliocene
				Nxd	Dorodong Sand	Sand, sandstone, silt, fine conglomerate, cross-bedded; ferricrete	Miocene to Pliocene

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Nxe	Deutgam Silt	Silt, minor sand and gravel	Pliocene to Pleistocene	Okb	Blueys Creek Formation	Quartz sandstone, siltstone, chert, black slate, dacite and andesite lava, mafic volcanoclastic sandstone	Gisbornian to Gisbornian
Nxg	Grange Burn Formation	Shell beds, shelly marl, sandy limestone, calcareous sand.	Messinian to Zanclean	Os	Sunbury Group	Shale, sandy shale, minor sandstone and mudstone	Gisbornian to Bolindian
Nxj	Japan Creek Gravel	Gravel, sand: moderately to well sorted and poorly to moderately consolidated	Pliocene to Pleistocene	Osb	Bolinda Shale	Black shale, siltstone, sandstone: thinly bedded; black shale and siltstone coarse-grained; micaceous; often richly graptolitic; sandstone pale grey; fairly well sorted; fine to medium-grained; Tbc and Tc sequences	Late Ordovician to Late Ordovician
Nxl	windblown silt	silt, fine-grained sand	Pliocene to Pleistocene	Osr	Riddell Sandstone	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles.	Gisbornian to Bolindian
Nxo	Oriental Claims Gravel	Conglomerate, sandstone: colour variable, mainly brown; predominantly vein quartz pebbles but with lithic cobbles and boulders {granite, high-grade metamorphic rocks} at base; moderately to well bedded; local channel erosion	Neogene to Neogene	Osre	Riddell Sandstone Eastonian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Eastonian age.	Eastonian to Eastonian
Nxp	Sub-basaltic sediments	Conglomerate, sandstone	Miocene to Miocene	Osg	Riddell Sandstone Gisbornian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Gisbornian age.	Gisbornian to Gisbornian
Nxr	Darley Gravel	Gravel, sand, silt: gravel red to pale colours; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; gravel clasts of vein quartz, sandstone, basalt, ironstone in proportions that reflect the local source	Neogene to Pleistocene	Ox	Undifferentiated Ordovician/Silurian sedimentary rocks	Sandstone, mudstone, chert	Ordovician to Silurian
Nxu	Bullengarook Gravel	Gravel, sand, silt: gravel predominant; pale; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; pebble gravel consists mostly of vein quartz	Miocene to Pliocene	Oxd	Digger Island Marlstone	Limestone, calcareous siltstone; basal conglomerate with chert and igneous rock fragments overlain by thick bedded dolomites with 'brecciated' tops, interbedded with breccia; most of the formation consists of thinly bedded, muddy limestone.	Early Ordovician to Early Ordovician
Oah	Howqua Chert	Black chert, siliceous shale, mafic sandstone, pebbly sandstone and chert conglomerate.	Late Cambrian to Lancefieldian	Oxe	Mount Easton Shale	Black shale, minor sandstone: shale thick-bedded, rarely with soft-sediment folding; sandstone pale grey, thin to thick-bedded, fine to medium-grained, Tbc, Tc, minor Tabc turbidites, micaceous; shale commonly with rich late Middle to Late Ordovician (late Darriwilian to mid-Bolindian) graptolite faunas	Darriwilian to Bolindian
Oap	Pinnak Sandstone	Sandstone, siltstone, rare chert: sandstone dark to pale grey and green colours; very thick to thin-bedded, turbiditic, moderately sorted, quartz-rich with minor feldspar and detrital mica, thick beds are mostly massive graded (Bouma Ta) and in places with granulestone bases, thinner beds with well-formed laminated and cross-bedded intervals (Bouma Tb and Tc); siltstone dark grey to green; well-bedded, with smooth regular banding	Lancefieldian to Darriwilian	Oxg	Gooandra Volcanics	Basaltic to andesitic lava and breccia, pillow lava; minor rhyolite, volcanoclastic siltstone and shale; ophitic gabbro; greenschist facies metamorphism; cleavage and schistosity well developed.	Darriwilian to Gisbornian
Ob	Bendoc Group	Black shale, cherty shale, stripy thin-bedded sandstone and siltstone, laminated siltstone	Darriwilian to Bolindian	Oxp	Phosphate Hill Formation	Chert, siltstone, black shale, phosphorite: chert and siltstone brown and grey; thinly bedded; phosphorite medium to coarse sand-sized; dark green-grey; contains rare Early Ordovician (Lancefieldian) graptolites.	Lancefieldian to Bendigonian
Oba	Akuna Mudstone	Black shale, laminated siliceous siltstone: thinly bedded; thin sandstone beds; rare bioturbated mudstone; dark grey weathered to various pale colours	Bolindian to Bolindian	-Pa	Sub-basaltic sediments	Conglomerate, sandstone, mudstone, peat	Paleogene to Neogene
Obn	New Country Sandstone	Sandstone: dark to mid grey, quartzitic to micaceous; thin to very thick-bedded; interbedded black to grey siltstone and shale, partly micaceous	Bolindian to Bolindian	-Pd	Demons Bluff Group	Carbonaceous pyritic silt to fine sand, clay, and clayey sand; contains occasional shelly fossils and glauconite.	Eocene to Oligocene
Obs	Sunlight Creek Formation	Black shale, cherty shale, stripy thin-bedded cross-bedded sandstone and siltstone: medium- to thick-bedded turbiditic grey sandstone, minor mica; siltstone massive to bioturbated; sparse Gisbornian graptolites	Darriwilian to Gisbornian	-Pmd	Duddo Limestone	Calcarenite, bryozoal limestone	Chattian to Langhian
Obw	Warbisco Shale	Shale: black, siliceous, very rich in graptolites; minor white quartzitic sandstone which is up to ~2m thick.	Gisbornian to Bolindian	-Pnm	Mepunga Formation	Quartz sand: medium to coarse grained, iron-stained, minor detrital limonite, with gastropod and mollusc fragments; foraminifers; unconsolidated, locally cemented with calcite, interbedded with carbonaceous clayey silt to silty clay; barrier island, beach and near shore, estuarine and lagoonal deposits	Eocene to Eocene
Oc	Castlemaine Group	Undifferentiated: sandstone, siltstone, black shale; sparsely fossiliferous; deep marine turbidite and hemipelagic deposits	Lancefieldian to Yapeenian	-Pnn	Narrawaturk Marl	Calcareous mudstone, minor thin calcarenite beds: locally carbonaceous and burrowed, locally abundant glauconite pellets and polished quartz sand, foraminifers, bryozoans, brachiopods and molluscs; open marine (below storm wave base) deposits	Eocene to Oligocene
Ocb	Castlemaine Group - Bendigonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Bendigonian to Bendigonian	-Po2	Paleogene plugs and dykes	Alkali olivine basalt, picrobasalt, phonolite: minor peridotite enclaves; plugs and dykes.	Paleogene to Paleogene
Occ	Castlemaine Group - Castlemainian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Castlemainian to Castlemainian	-Pp	Pentland Hills Volcanic Group	Alkali olivine basalt to nephelinite, minor tuff: dark grey; fine-grained; rarely vesicular; secondary calcite and magnesite in vesicles and joints	Paleocene to Eocene
Ocd	Castlemaine Group - Darriwilian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded; diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Darriwilian to Darriwilian	-Pr	Renmark Group	Gravel, quartz sand, silt and clay: pyritic, ferruginised, unconsolidated to poorly consolidated	Thanetian to Miocene
Och	Castlemaine Group - Chewtonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Chewtonian to Chewtonian	-Pub	Begg Creek Basalt	Basalt flow: tholeiite with phenocrysts of plagioclase, olivine and augite in a groundmass of plagioclase, pyroxene and brown glass.	Paleogene to Neogene
Ocl	Castlemaine Group - Lancefieldian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Lancefieldian to Lancefieldian	-Puc	Carrajung Volcanic Group	Basalt, tuff, siltstone, claystone: titanaugite basalt coarse-grained; olivine basalt fine-grained porphyritic; tuff weathered; bedded to cross-bedded	Thanetian to Ypresian
Ocr	Romsey Subgroup	Sandstone, siltstone, black shale, chert: sandstone various colours; thick to thin-bedded; turbiditic; siltstone: dark green when fresh; generally well bedded; shale: in places richly graptolitic; chert: minor, well bedded.	Late Cambrian to Bendigonian	-Puj	Mount Jim Volcanic Group	Basaltic lava flows: alkali olivine basalt, basanite, picrobasalt, olivine nephelinite, phonolite; olivine phenocrysts are common; minor interbedded lacustrine and fluvial sedimentary rocks including siltstone, shale, gravel, peat and coal	Priabonian to Oligocene
Ocr2	Stauro Gully Shale plus Split Hill Sandstone plus Bryo Gully Shale	Sandstone, siltstone, shale, chert,.	Lancefieldian to Lancefieldian	-Puk	Karoonda Park Volcanic Group	Basalt flows with minor plugs, sills and dykes: olivine tholeiitic basalt and quartz tholeiitic basalt, with olivine phenocrysts.	Lutetian to Rupelian
Ocra	Angry Hill Sandstone	Sandstone, siltstone, black shale: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor black chert: thinly bedded; conglomerate: pale coloured; fine-grained; mostly of rounded vein quartz pebbles; with horizontal lamination and tabular cross-bedding	Lancefieldian to Bendigonian	-Pum	Mornington Volcanic Group	Basanite with lesser alkali basalt, nepheline hawaiite, nepheline mugearite, hawaiite, mugearite and nephelinite; lava flows, shallow intrusives and pyroclastics; minor interbedded fluvial sediments and lignite	Lutetian to Lutetian
Ocrb	Bryo Gully Shale	Siltstone, shale: black; generally thin-bedded; siliceous in basal portion; contains sporadic graptolites	Lancefieldian to Lancefieldian	-Pun	Nunnett Plains Volcanic Group	Basalt flows and minor dykes: quartz tholeiitic basalt, olivine tholeiitic basalt, nepheline basanite, hawaiite	Lutetian to Rupelian
Ocrl	Lano Gully Sandstone	Sandstone, siltstone: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor siltstone; grey; unfossiliferous	Late Cambrian to Lancefieldian	-Pur	Bryce Plain Basalt	Alkali olivine basalt, minor olivine tholeiite, minor hawaiite, rare nephelinite: lava flows and plugs, interbedded sedimentary rocks. Dense, blue-black, rarely vesicular, typically strongly jointed.	Priabonian to Rupelian
Ocy	Castlemaine Group - Yapeenian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Yapeenian to Yapeenian	-Put	Thorpdale Volcanic Group	Tholeiitic and alkalic basalt; minor nephelinite, basanite, nepheline hawaiite, hawaiite, mugearite, nepheline mugearite, tuff, interbedded sandstone and silcrete.	Paleocene to Miocene
Ok	Kiandra Group	Basalt lava, agglomerate, sandstone, chert, black cherty slate	Gisbornian to Gisbornian	-Puu	Tubbut Basalt	Basalt flows: olivine tholeiite, olivine nephelinite and hawaiite.	Lutetian to Priabonian
				-Puw	Whitlands Volcanic Group	Basalt lava flows: basanite, alkali olivine basalt, hawaiite and olivine tholeiite.	Lutetian to Priabonian
				-Puy	Aberfeldy Basalt	Alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant; interbedded sedimentary rocks	Oligocene to Aquitanian
				-Pv	Latrobe Valley Group	Clastic sedimentary rocks: nonmarine to paralic clastics, marine clastics.	Eocene to Miocene
				-Pvc	Childers Formation	Sandstone, conglomerate, clay, sand, gravel; fluvial deposits	Eocene to Eocene

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Code	Name	Description	Age
-Pw	Wangerrip Group	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifers, minor calcareous foraminifers and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
-Pwe	Pember Mudstone	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifera, minor calcareous foraminifera and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
-Pwm	Moomowroong Sand	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel; marginal marine and beach deposits	Late Cretaceous to Paleocene
-Pwp	Pebble Point Formation	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel, minor volcanic and metamorphic lithic cobbles and pebbles; near shore, shallow marine deposits	Paleocene to Paleocene
-Pww	Wiridjil Gravel	Quartz sand, silt, clay, pebbles, rare clay clasts; pebbles mostly dispersed, less commonly in horizontal layers; cohesive, sorting mostly very poor, rare volcanic and metamorphic lithic cobbles and pebbles; occasional large-scale tabular cross-bedding	Late Cretaceous to Paleocene
-Pxa	Calivil Formation	Conglomerate, sandstone, silt, clay: brown to pale colours; poorly sorted; clasts variably rounded; predominant vein quartz clasts; cross-bedding prominent	Oligocene to Miocene
Pxb	Bacchus Marsh Formation	Tillite, diamictite, sandstone, mudstone, conglomerate: tillite and diamictite grey; massive to slump-folded; conglomerates range from pebble to boulder size; generally well-rounded; of highly varied lithology; mudstone dark grey to black; thinly bedded to laminated (varved); sedimentary dykes common; contains plant fossils and rare shallow-marine shelly fossils	Carboniferous to Permian
-Pxe	Werribee Formation	Sand, silt, clay, gravel in variable proportions: generally white to pale grey; in part carbonaceous, pyritic; ferruginous bands common; contains Cinnamomum flora	Eocene to Miocene
-Pxh	White Hills Gravel	Vein quartz conglomerate, sand, silt, clay in fluvial braid plain, outwash fan and colluvial deposits; typically compositionally mature, with ubiquitous well-rounded pebbles and cobbles of reef quartz, lesser more angular vein quartz and bedrock clasts; moderately to well sorted, massive to crudely stratified, cross-bedded and channelled; richly auriferous in places; variably ferruginised, silicified or kaolinised	Paleocene to Oligocene
Pxo	Boorhaman Conglomerate	Polymict conglomerate, pebbly sandstone, siltstone; fluvioglacial, marine	Permian to Permian
-Pxvb	Eastern View and Boonah formations	Mudstone, sandstone, conglomerate, lignite: mudstone pale brown; contains lignite lenses; sandstone fine-grained to granule size; consists of quartz; poorly to moderately, rarely well sorted; conglomerate uncommon; detrital sediments poorly consolidated to uncommonly strongly cemented; lignite black to brownish black; commonly impure	Paleocene to Eocene
-Py	Yaugher Volcanic Group	Olivine basalt, tuff, microgabbro, minor sedimentary rocks	Eocene to Eocene
Qa1	alluvium	Gravel, sand, silt: variably sorted and rounded; generally unconsolidated; includes deposits of low terraces; alluvial floodplain deposits	Pleistocene to Holocene
Qa2	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa1, alluvial floodplain deposits	Pleistocene to Pleistocene
Qa3	alluvial terrace deposits	Gravel, sand, silt, clay: moderately sorted and poorly consolidated; alluvial terrace deposits higher than Qa2; alluvial floodplain deposits	Pleistocene to Pleistocene
Qa4	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa3; alluvial floodplain deposits	Pliocene to Quaternary
Qa5	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa4; alluvial floodplain deposits	Pliocene to Quaternary
Qa6	alluvial terrace deposits	Gravel, sand, silt; variably sorted and rounded, generally unconsolidated; dissected to form alluvial terraces higher than Qa5; alluvial floodplain deposits	Pliocene to Quaternary
Qb	alluvium and colluvium	Sand, silt, clay, gravel, diamictite; alluvial and colluvial deposits	Quaternary to Quaternary
Qc1	colluvium	Diamictite, gravel, sand, silt, clay, rubble: sorting variable, usually poor; generally poorly rounded; clasts locally sourced; includes channel deposits with better rounding and sorting	Pliocene to Holocene
Qc2	scree deposits	Gravel, sand, silt and clay; poorly sorted and rounded; unconsolidated; composition reflects local source; scree deposits.	Pleistocene to Pleistocene
Qc3	slump deposits	Diamictite, clay, clayey silt, rubble: poorly sorted and unconsolidated	Holocene to Holocene
Qc4	granite-derived colluvium	Quartz and feldspar sand: well sorted, fine to medium grained; derived from granite	Pleistocene to Holocene
Qc5	dissected colluvium	Diamictite: variable mixture of clay, silt, sand, gravel, boulders; variably sorted; variably consolidated; may include layers of better-sorted sand and gravel; colluvial fans variably dissected	Pliocene to Pleistocene
Qc6	basalt-derived slump deposits	Basalt blocks in black clay: unconsolidated; often located below perennial springs	Pliocene to Holocene
Qc7	unnamed rock rivers	'Rock rivers' and boulder fields: angular to sub-rounded cobbles and boulders; forms aprons on the flanks of steep hills and around basalt caps; loose blocks; no matrix; periglacial	Pleistocene to Pleistocene
Qd1	inland dune deposits	Sand, silt, clay: friable to consolidated; well sorted; includes both lunette deposits and deposits of longitudinal dunes	Quaternary to Quaternary
Qd2	dune deposits	Sand, clay, calcareous sand: well rounded, moderately consolidated, locally ferruginised.	Pleistocene to Pleistocene
Qd3	clay-rich dunes	Low dunes of clay, sandy clay and sand, with small areas of swamp between dunes; includes some lunettes, but mostly forms areas of slightly elevated topography; dominantly aeolian	Pleistocene to Quaternary
Qdi	source-bordering dune deposits	Sand, silt, clay: inland dune deposits, some swamp deposits; mostly source-bordering	Pleistocene to Holocene

Code	Name	Description	Age
Qdl1	coastal dune deposits	Sand, silt, clay: well sorted, poorly consolidated; coastal dune and beach deposits, some swamp deposits	Holocene to Holocene
Qdl2	Older coastal dune depsoits	Sand, silt, clay: quartz-rich, well sorted, poorly consolidated, locally ferruginised; older coastal dune and beach deposits, some interdune swamp deposits; occur immediately inland from active coastal dunes, with similar trends, more rounded profiles and vegetation cover.	Pleistocene to Holocene
Qg	coastal lagoon deposits	Silt, clay: dark grey to black; variably consolidated	Holocene to Holocene
Qh	anthropogenic deposits	Accumulations of gravel, sand and mud deposited by humans.	Holocene to Holocene
Qhd	dam wall deposits	Dam wall material.	Holocene to Holocene
Qhm	mullock heaps	Piles of waste material from mines.	Holocene to Holocene
Qhq	quarry waste deposits	Sand , gravel and clay; overburden and waste from quarries.	Holocene to Holocene
Qhw	waste deposits	Clayey silt containing organic and non-organic material; land fill of various kinds.	Holocene to Holocene
Ql	lunette and lake deposits	Clay, silt, sand; unconsolidated: lake floor and lunette deposits	Pleistocene to Holocene
Ql1	lunette deposits	Clay, clayey silt, silty clay, clay pellet aggregates, gypseous clay pellets, gypsite, minor fine grained sand, interlayered calcareous and gypseous palaeosols; well to moderately sorted, unconsolidated: clay lunettes.	Pleistocene to Holocene
Ql2	lake deposits	Carbonaceous clay and silt, fine to coarse grained sand, gravel; poorly sorted, unconsolidated: lake floor and lake beach deposits.	Pliocene to Holocene
Qm1	swamp and lake deposits	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene
Qxb	Blanchetown Clay	Laminated greenish-grey and red-brown clay and silty clay, locally calcareous and gypsiferous; minor interbedded quartz sand, ostracod sand; contains calcareous, gypsiferous and siliceous nodules.	Pliocene to Early Pleistocene
Qxm	Molineaux Sand	Aeolian dune sand, fine to medium grained; quartz-rich and clay-poor.	Pleistocene to Holocene
Qxp	Padthaway Formation	Lagoonal, swamp and locally colluvial deposits forming low-lying wetlands between stranded beach ridges: sand, silt, sandy clay, peat, marl, freshwater limestone; unconsolidated	Pleistocene to Pleistocene
Qxr	Bridgewater Formation	Calcarenite: medium to coarse grained shell fragments and minor quartz; consolidated, thin interbedded red palaeosols, minor hard calcrete capping, prominent dune cross-bedding; coastal dune deposits	Pleistocene to Pleistocene
Qxw	Woorinen Formation	Dune deposits, unconsolidated; mainly red-brown siliceous silty sand, red calcareous silty clay, and sandy clay; calcareous nodules and palaeosols common; uppermost unit is mainly sand without calcareous nodules and clay matrix. Forms discontinuous chains of east-west longitudinal dunes.	Pleistocene to Holocene
Qxy	Yamba Formation	Pale grey gypsite, gypsiferous clay and grey pelletal gypsum-quartz sand aggregates; locally includes grey clay with crystalline gypsum mush under black sulphide-rich mud with ephemeral salt crusts of gypsum, halite, bishofite, thenardite and mirabilite; lacustrine evaporite deposits	Late Pleistocene to Holocene
Qyc	Coode Island Silt	Black silt, clay: lagoon deposits	Pleistocene to Pleistocene
Sbk	Koomberar Formation	Sandstone, conglomerate: sandstone thick to thin-bedded, sandstone and conglomerate both volcanolithic with mafic and lesser rhyolitic rock fragments; minor mudstone; possible rhyolite lava	Silurian to Silurian
Sbn	Nobby Road Sandstone	Sandstone, siltstone: sandstone quartzose to arkosic; medium to fine-grained; minor feldspathic granule conglomerate	Silurian to Silurian
Sc	Cobbannah Group	Sandstone, siltstone: sandstone quartzitic, thick to thin bedded, fine to coarse grained, pale grey; siltstone massive to bedded, commonly bioturbated, grey to pale colours	Llandovery to Wenlock
Sec	Cowombat Siltstone	Siltstone: grey, black and green; interbedded with subordinate sandstone, conglomerate and lenses of limestone.	Pridoli to Pridoli
Seg	Gibsons Folly Formation	Siltstone, minor sandstone, lavas: sandstone of mixed volcanic and non-volcanic provenance; lavas from stratiform lenses of andesite to dacite.	Pridoli to Pridoli
Set	Thorkidaan Volcanics	Rhyolitic lava, minor volcaniclastics, pyroclastics and shallow intrusions; volcaniclastics are massive, porphyritic with phenocrysts of quartz, K-feldspar, plagioclase and biotite.	Wenlock to Ludlow
Sj	Jordan River Group	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich, siltstone commonly bioturbated; marine	Silurian to Devonian
Sjb	Bullung Siltstone	Siltstone, minor sandstone: siltstone dark grey, generally finely banded and bioturbated, uppermost portion contains mass-flow deposits with pockets of comminuted shelly fossils; sandstone thin to very thin-bedded, pale, quartzitic	Telychian to Homerian
Sjc	Coopers Creek Limestone	Limestone: mid- to very dark grey; bedded to massive; stylobrecciated; minor chert conglomerate, mudstone; lower well-bedded facies of biomicrite and sparite overlain by upper facies of massive wackestone; fossiliferous	Pragian to Emsian
Sjd	Donnellys Creek Siltstone	Siltstone, rare sandstone: siltstone dark grey to green-grey; finely banded and bioturbated; sandstone very thinly bedded	Rhuddanian to Aeronian
Sje	Eildon Sandstone	Sandstone, siltstone: sandstone mid- to pale grey; thick to thin-bedded; medium to fine-grained; often poorly sorted; Tabc, Tbc and Tc turbidite beds often with strongly convolute lamination; siltstone mid- to dark grey; thin to thick-bedded; banded to bioturbated; rare black shale	Lochkovian to Pragian
Sji	Wilson Creek Shale	Pyritic black shale, siltstone: black; laminated to thick-bedded; sparsely fossiliferous with plant fossils and graptolites	Pragian to Pragian
Sjl	Lazarini Siltstone	Dark grey to green-grey siltstone with bedding in the form of colour banding; abundant dark bioturbation blebs; lowest portion contains interbedded quartz sandstone beds.	Bolindian to Rhuddanian

Ordered by Code

Code	Name	Description	Age	Code	Name	Description	Age
Sjm	McAdam Sandstone	Sandstone, siltstone, minor shale: sandstone mid- to pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbidites; generally medium to fine-grained; micaceous; siltstone mid- to dark grey; laminated and bioturbated; shale contains rare Llandovery graptolites	Aeronian to Telychian	Soc	Omeo Metamorphic Complex cordierite-garnet granite	Cordieirte- and garnet-bearing biotite granite	Llandovery to Wenlock
Sjn	Murderers Hill Siltstone	Siltstone, minor sandstone: siltstone brown, purple and green; thinly laminated; sandstone pale; thin-bedded; fine-grained; quartzose and lithic	Telychian to Lochkovian	Soe	Omeo Metamorphic Complex pegmatite	Pegmatite: mainly quartz and feldspar, with some muscovite and tourmaline	Llandovery to Wenlock
Sjo	Boola Formation	Siltstone, intercalated with lithic sandstone, conglomerate, limestone lenses: siltstone well bedded to prominently slump-folded; sandstone and conglomerate with mafic meta-igneous, carbonate and chert grains and clasts; limestone olistoliths	Lochkovian to Pragian	Sog	Omeo Metamorphic Complex gneiss	Quartzo-feldspathic gneiss: banded; with quartz, biotite, andalusite, cordierite, sillimanite, K-feldspar, plagioclase and rare garnet; calc-silicate nodules	Llandovery to Wenlock
Sjr	Serpentine Creek Sandstone	Sandstone, siltstone: sandstone thick to thin-bedded; coarse to fine-grained; Tabc, Tbc and Tc turbidites; siltstone: laminated and bioturbated	Aeronian to Telychian	Sol	Omeo Metamorphic Complex leucogranite	Undifferentiated leucogranite: muscovite-biotite granite and musovite-biotite-garnet granite: white to pink; fine to coarse-grained.	Llandovery to Wenlock
Sjs	Sinclair Valley Sandstone	Sandstone, siltstone in variable proportion: sandstone mid- to pale grey; thick to thin-bedded; Tbc, Tabc, Tc turbidites; quartz-rich to micaceous, medium to fine-grained; siltstone generally dark grey; laminated and bioturbated; rare shale contains Ludlow graptolites	Homerian to Gorstian	Som	Omeo Metamorphic Complex migmatite	Quartzo-feldspathic migmatite: banded; with biotite, andalusite, cordierite, sillimanite; light bands are quartz-K-feldspar-plagioclase partial melts, dark bands are restite with biotite, sillimanite, andalusite, cordierite and rare garnet.	Llandovery to Wenlock
Sju	Wurutwun Formation	Siltstone, with minor lithic sandstone, conglomerate, limestone lenses, black shale, chert; occasional thick conglomerate with mudstone matrix, large clasts of lithic sandstone and granulestone, chert, siltstone, basalt, limestone; limestone occurs as sharply bounded pods tens of metres across with discordant bedding.	Lochkovian to Emsian	Sop	Omeo Metamorphic Complex phyllite	Phyllite, spotted slate, psammite: well foliated to schistose.	Llandovery to Wenlock
Sjw	Whitelaw Siltstone	Siltstone, minor sandstone: siltstone dark grey; generally finely banded and bioturbated; uppermost portion often without lamination; rare mass-flow deposits with shelly fossils; sandstone thin to very thin-bedded; pale; quartzitic	Ludlow to Pragian	Sor	Omeo Metamorphic Complex granodiorite	Biotite granodiorite: medium-grained, equigranular; grey; massive to foliated; rare enclaves of gneiss and small biotite-rich enclaves.	Llandovery to Wenlock
Sk	Grampians Group	Sandstone: quartz-rich to micaceous or feldspathic; sparse vein quartz pebbles either scattered or in lags; cross-bedded; variable bed thickness; locally abundant trace fossils-mostly burrows and invertebrate trackways in sandstone: rare body fossils in mudstone units; minor polymictic conglomerate and quartzose to micaceous mudstone	Late Ordovician to Early Devonian	Sos	Omeo Metamorphic Complex schist	Biotite schist, spotted schist: with cordierite, andalusite, sillimanite; quartz-rich psammitic schist; often shows differentiated layering; rare calc-silicate nodules	Llandovery to Wenlock
Skm	Mount Difficult Subgroup	Quartz sandstone, minor siltstone and mudstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone and mudstone are micaceous. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli	Spp	Poddy Creek Metamorphics phyllite	Biotite phyllite and psammite; spots of retrogressed cordierite	Llandovery to Wenlock
Skmm	Moora Moora Sandstone	Quartz sandstone: pale; fine to coarse-grained with minor feldspar; planar and cross-laminated, thin to medium-bedded; mud rip-up clasts; Skolithos horizons and ripple surfaces; poorly outcropping; sparse micaceous mudstone	Ludlow to Pridoli	Sps	Poddy Creek Metamorphics spotted slate	Slate with spots of chlorite, muscovite and sericite; quartz sandstone.	Llandovery to Wenlock
Skms	Serra Sandstone	Quartz sandstone, minor siltstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone intervals prominent in the south of the Grampians Ranges. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli	Srg	Goat Rocks Conglomerate	Conglomerate, sandstone: pebble to boulder conglomerate massive to crudely bedded; sorting moderate; generally well rounded; clasts of quartzite, sandstone, chert, gritstone, minor vein quartz; sandstone rare: well sorted with planar and cross-lamination.	Silurian to Devonian
Skmw	Wartook Sandstone	Sandstone: pale, fine to coarse-grained quartz to quartzo-feldspathic with scattered and lag horizons of sub-rounded vein quartz pebbles towards base: laminated, cross-laminated and rarely trough cross-laminated, medium to thickly-bedded; forms prominent outcrops; minor interbeds of quartz siltstone	Ludlow to Early Devonian	Srk	Kirribilly Siltstone	homfels	Late Devonian to Late Devonian
Skr	Red Man Bluff Subgroup	Sandstone with interbedded siltstone, conglomerate.	Late Ordovician to Llandovery	Stb	Berrawan Conglomerate	Conglomerate with minor sandstone; includes an interval of sandstone and siltstone, and an interval of vitric-rich ignimbrite and conglomerate.	Ludlow to Pragian
Skra	Major Mitchell Sandstone	Quartz sandstone: reddish-yellow, medium to coarse-grained, somewhat micaceous or feldspathic; laminated, cross-laminated and trough cross-laminated; medium to thickly bedded; abundant Skolithos trace fossils; occasional metre-scale low-angle burrows; pebbly lag horizons of sub-rounded vein quartz below Mount William; forms prominent outcrops; thin interbeds of micaceous siltstone.	Late Ordovician to Ludlow	Stl	Blackfellows Flat Conglomerate	Conglomerate, sandstone, pebbly sandstone, mudstone: clasts well rounded, sandstones with high felsic volcanic component. Formation fines upward	Ludlow to Pragian
Skrq	Gariwerd Sandstone	Sandstone and siltstone: sandstone reddish yellow; quartzo-feldspathic, micaceous; planar and cross-laminated, thin to thick-bedded; pebbly and coarser grained in north.	Late Ordovician to Ludlow	Sts	Shanahan Sandstone	Sandstone and siltstone, with interbedded ignimbrite, minor lava and volcanogenic rocks at the base.	Ludlow to Pragian
Skrk	Kalymna Falls Sandstone	Sandstone: reddish yellow, quartzose to quartzo-feldspathic; fine to medium-grained with occasional pebble lags of subrounded vein quartz; variably laminated; medium to thick-bedded; coarser in the north where it forms prominent outcrops; abundant thin beds of laminated purple siltstone, especially in the south	Late Ordovician to Ludlow	Suc	Kuark Metamorphic Complex - cordierite-andalusite zone	Schist and phyllite containing porphyroblasts of andalusite and/or cordierite in schistose matrix of mica and quartz;. bedding is rarely seen; most cordierite is replaced by fine aggregates of muscovite, biotite and chlorite.	Llandovery to Wenlock
Skrm	Murray Hill Sandstone	Sandstone: pale yellow; pebbly; quartzo-feldspathic; fine to coarse-grained; variably laminated; medium to thick-bedded; forms prominent outcrops; strong thorium radiometric response suggests relatively high detrital monazite content.	Late Ordovician to Ludlow	Suk	Kuark Metamorphic Complex - K-feldspar-sillimanite zone	Schist, gneiss and minor migmatite containing biotite, sillimanite, K-feldspar, quartz, cordierite, plagioclase.	Llandovery to Wenlock
Skrt	Thermopylae Conglomerate	Polymictic conglomerate: pale grey; massive; poorly sorted with an open framework of variably rounded bedrock clasts of vein quartz and veined sandstone; matrix and interbeds of coarse-grained quartzo-feldspathic sandstone; planar and cross laminated, thin to thick-bedded.	Late Ordovician to Ludlow	Swg	Gibbo River Formation	Siltstone, olive green-brown, laminated; calcareous siltstone; minor lenses of conglomerate, fine grained quartzitic sandstone and limestone.	Ludlow to Pridoli
Skrw	Watgania Gap Sandstone	Sandstone and siltstone: sandstone coarse, quartzo-feldspathic, massive to planar laminated or trough-cross bedded; siltstone laminated, occurs as thin beds	Late Ordovician to Ludlow	SwO	Toaks Creek Conglomerate	Pebble conglomerate: massive to crudely bedded, clasts well rounded; with high proportion of rhyolite and porphyry clasts in lower part; minor sandstone lenses	Ludlow to Pridoli
Sks	Silverband Formation	Micaceous mudstone: red, with thin interbeds of yellowish quartzo-micaceous sandstone; laminated; rippled surfaces, mudcracks and bioturbation; poorly outcropping; sparse fossil fauna of ostracods, brachiopods, and fish spines, teeth and scales.	Ludlow to Ludlow	Swu	Undowah Siltstone	Siltstone: grey-green and red, with basal graded volcanogenic sandstone and conglomerate of reworked rhyolite lava clasts	Ludlow to Pridoli
Sm	Murrindindi Supergroup	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich in the lower part and lithic in the upper part; siltstone commonly bioturbated; marine to fluvial	Late Ordovician to Middle Devonian	Sxa	Anderson Creek Formation	Sandstone: thick to thin bedded; siltstone, minor conglomerate	Llandovery to Wenlock
So	Omeo Metamorphic Complex	Mica schist, gneiss, migmatite and various S-type granites; low pressure series; medium to high-grade metamorphosed Pinnak Sandstone	Llandovery to Wenlock	Sxb	Broadford Formation	Medium- to thickly bedded, massive quartz arenite and quartz-litharenite with current ripples, and polymictic conglomerate; interbedded with thinly bedded fine-grained turbiditic sandstone,siltstone and claystone.	Llandovery to Pridoli
Sob	Bethgarno Amphibolite	Finely banded amphibolite gneiss with hornblende-rich, biotite-rich and quartz-feldspar layers; contains hornblende, biotite, plagioclase, quartz and minor K-feldspar, with some cummingtonite-quartz-plagioclase layers; variably foliated with common mylonitic bands	Early Ordovician to Llandovery	Sxc	Costerfield Siltstone	Monotonous sequence of laminated to thinly bedded siltstone, minor sandstone towards top, in part pyritic; intensely bioturbated; sparse fossils include crinoid ossicles and a trilobite fragment; deep-marine hemipelagic deposit .	Telychian to Sheinwoodian
				Sxd	Deep Creek Siltstone	Siltstone and sandstone: siltstone: dark grey-green, thin to thick-bedded, mostly strongly bioturbated; sandstone: regularly interbedded with siltstone; thin to very thin, commonly with ripple marks; rare conglomerate and diamictite; contains rare graptolites.	Bolindian to Rhuddanian
				Sxg	Dargile Formation	Mudstone, minor sandstone and conglomerate: laminated to thinly bedded siltstone with minor current ripples and shelly fossils; fine-grained quartz sandstone and oligomictic cobble conglomerate; deep water marine sediments.	Llandovery to Pridoli
				Sxi	McIvor Sandstone	Sandstone: fine to medium grained, well-sorted quartz arenite, minor pebbly sandstone and conglomerate beds also present; massive to thickly bedded; shelly fossils; shallow-marine nearshore deposit.	Llandovery to Pridoli
				Sxm	Melbourne Formation	Siltstone and sandstone: mainly thin-bedded; most beds show undisturbed Bouma sequences.	Silurian to Silurian
				Sxn	Sardine Conglomerate	Pebble to cobble-conglomerate: massive; minor sandstone; matrix is a mixture of sand, small pebbles and silt; most clasts are micaceous sandstone; minor volcanogenic sandstone.	Llandovery to Pridoli
				Sxs	Springfield Sandstone	Sandstone, siltstone and conglomerate: medium to thick bedded, lithic quartz sandstone alternating with grey-green shaly siltstone and thin-bedded sandstone; variably bioturbated, occasional graptolites; deep-marine turbidite fan deposits.	Rhuddanian to Telychian

Ordered by Code

Code	Name	Description	Age
Sxt	Mitta Mitta Rhyolite	Rhyolite lava: pale grey, massive to autobrecciated; minor intercalated, reworked rhyolitic pyroclastics	Ludlow to Pridoli
Sxw	Wapentake Formation	Sandstone and siltstone: fine to medium-grained quartz sandstone with weathered siltstone interbeds; minor large channels, ripple drift, swaley cross-laminations and burrows; distal continental shelf deposits.	Sheinwoodian to Sheinwoodian
Sy	Yalmy Group	Sandstone, siltstone: thick to thin bedded; sandstone mostly quartzarenite and quartzite with some litharenite; deep-marine turbidite deposits	Llandovery to Llandovery
Sy1	lower sandstone unit	Sandstone; quartzose; medium to very coarse grained; massive to bedded; siltstone; green-grey; thick-bedded.	Llandovery to Llandovery
Sy2	middle siltstone unit	Siltstone: green-grey, thick bedded, laminated to massive; minor quartzitic sandstone; deep-marine deposits.	Llandovery to Llandovery
Sy3	upper sandstone unit	Quartzitic sandstone, mudstone: pale grey to white to green, fine to medium-grained; deep-marine turbidite fan deposits.	Llandovery to Llandovery
Syn	Tongaro Formation	Sandstone, minor mudstone: sandstone pale grey; quartzitic, medium to fine grained; thin to thick-bedded; mudstone green and brown, cleaved; rare conglomerate and massive limestone lenses.	Llandovery to Wenlock
Sys	Seldom Seen Formation	Quartzite, conglomerate, breccia; variably sorted, clast supported conglomerate; debris-flow breccia; pebbly and well sorted sandstone; clasts of chert, quartzite, intermediate to felsic volcanics, shale, black slate; rare mudstone	Llandovery to Wenlock
Syt	Towanga Sandstone	Sandstone, siltstone, minor conglomerate: sandstone: thick to thin bedded; quartzarenite; interbedded with siltstone.	Telychian to Telychian
TRlt	Teapot Creek Formation	Volcanogenic sandstone, conglomerate, breccia: marked variation from place to place; minor trachyte lava	Triassic to Triassic
TRxc	Council Trench Formation	Sandstone, conglomerate: cream to brown; sandstone feldspathic; contains conglomerate as lenses to pebble trains; pebbles of dark grey quartz and minor lithic material; fragmentary plant fossils	Triassic to Jurassic
Yan	Angusvale Dyke Swarm	Quartz diorite, quartz microdiorite, andesite, minor feldspar-quartz porphyry and rare rhyolite dykes; diorite contains hornblende and biotite, microdiorite contains hornblende, andesite contains hornblende and pyroxene, and felsic rocks contain biotite and hornblende; alteration is common.	Early Devonian to Middle Devonian
Y-ap	dyke, aplite	Aplite dyke	Silurian to Carboniferous
Y-bs	dykes and plugs, basalt	Basalt: dark grey to black, fine grained; contains olivine, pyroxene; occurs as small plugs and rare dykes; highly to intensely magnetic	Jurassic to Quaternary
Y-dim	dyke, metadiorite	Metadiorite dykes and sills: massive to foliated; greenschist to amphibolite facies metamorphism	Early Cambrian to Carboniferous
Y-Dp	dyke, ring dyke	Quartz-feldspar porphyry: quartz and feldspar in variable amounts; usually as large euhedral crystals; minor biotite in an altered glassy groundmass	Early Devonian to Middle Devonian
Y-F	dyke, felsic	Felsic dykes: fine to coarse-grained, glassy to porphyritic, greenish-grey to reddish; somewhat variable assemblage of quartz, feldspar, biotite and hornblende in a glassy groundmass	Silurian to Carboniferous
Y-gr	dyke, granite	Granite dyke	Silurian to Carboniferous
Y-in	dyke, intermediate	Intermediate dyke	Phanerozoic to Phanerozoic
Y-Mz	dykes and plugs	Volcanic plugs and dykes: basaltic, nephelinitic, dioritic; normally and reversely magnetised (subsurface only)	Mesozoic to Mesozoic
Y-py-	dyke, quartz-feldspar porphyry	Quartz-feldspar porphyry dyke	Silurian to Devonian
Ywp	Woods Point Dyke Swarm	Hornblende-biotite quartz diorite and quartz monzonite, hornblende-biotite gabbro, hornblende-augite-biotite quartz gabbro, kaersutite-phlogopite peridotite, quartz and feldspar bearing porphyry; medium grained; common hydrothermal alteration; commonly weathered to orange sandy clay.	Late Devonian to Late Devonian

Appendix

Ordered by Name

Code	Name	Description	Age
-Puy	Aberfeldy Basalt	Alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant; interbedded sedimentary rocks	Oligocene to Aquitanian
G105	Adjie Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained; equigranular; minor pale pink K-feldspar; I-type; highly magnetic	Wenlock to Pridoli
Oba	Akuna Mudstone	Black shale, laminated siliceous siltstone: thinly bedded; thin sandstone beds; rare bioturbated mudstone; dark grey weathered to various pale colours	Bolindian to Bolindian
-Caa	Albion Formation	Interlayered black mudstone with minor siliceous siltstone and calcareous sandstone; base is characterised by strong chlorite +/- stilpnomelane alteration. Unit contains a diverse range of Early Cambrian acritarch fossils, and other fossils from within interbedded siliceous chert bands.	Early Cambrian to Early Cambrian
Qa2	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa1, alluvial floodplain deposits	Pleistocene to Pleistocene
Qa3	alluvial terrace deposits	Gravel, sand, silt, clay: moderately sorted and poorly consolidated; alluvial terrace deposits higher than Qa2; alluvial floodplain deposits	Pleistocene to Pleistocene
Qa4	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa3; alluvial floodplain deposits	Pliocene to Quaternary
Qa5	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form terraces higher than Qa4; alluvial floodplain deposits	Pliocene to Quaternary
Qa6	alluvial terrace deposits	Gravel, sand, silt: variably sorted and rounded, generally unconsolidated; dissected to form alluvial terraces higher than Qa5; alluvial floodplain deposits	Pliocene to Quaternary
Qb	alluvium and colluvium	Sand, silt, clay, gravel, diamictite; alluvial and colluvial deposits	Quaternary to Quaternary
Qa1	alluvium	Gravel, sand, silt: variably sorted and rounded; generally unconsolidated; includes deposits of low terraces; alluvial floodplain deposits	Pleistocene to Holocene
G566	Allwood Granodiorite	Biotite-muscovite-cordierite granodiorite: pale to medium bluish grey, weathering to pale brownish grey; fine to medium-grained; locally foliated; sparse enclaves of schist, dark grey psammite; very rare enclaves of vein quartz; S-type; nonmagnetic	Llandovery to Llandovery
G207	Almonds Granite	Biotite granite; coarse grained and porphyritic with K-feldspar phenocrysts to 15 mm; contains cordierite and accessory fluorite; S-type	Late Devonian to Late Devonian
G71	Amboyne Granodiorite	Biotite-cordierite granodiorite: medium grained; dark grey; abundant inclusions; S-type	Llandovery to Wenlock
Sxa	Anderson Creek Formation	Sandstone: thick to thin bedded; siltstone, minor conglomerate	Llandovery to Wenlock
G114	Anglers Rest Granite	Biotite leucogranite: pink; equigranular, medium to coarse grained; minor muscovite and blue-green hornblende locally present; accessories include common allanite and rare sphene, as well as apatite, zircon, magnetite and ilmenite	Early Devonian to Middle Devonian
Ocra	Angry Hill Sandstone	Sandstone, siltstone, black shale: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor black chert: thinly bedded; conglomerate: pale coloured; fine-grained; mostly of rounded vein quartz pebbles; with horizontal lamination and tabular cross-bedding	Lancefieldian to Bendigonian
Yan	Angusvale Dyke Swarm	Quartz diorite, quartz microdiorite, andesite, minor feldspar-quartz porphyry and rare rhyolite dykes; diorite contains hornblende and biotite, microdiorite contains hornblende, andesite contains hornblende and pyroxene, and felsic rocks contain biotite and hornblende; alteration is common.	Early Devonian to Middle Devonian
Qh	anthropogenic deposits	Accumulations of gravel, sand and mud deposited by humans.	Holocene to Holocene
G380	Ararat Granodiorite	Hornblende-biotite granodiorite: pale grey; porphyritic; equigranular; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; oxidised, I-type, moderately magnetic	Early Devonian to Middle Devonian
G531	Archie Granodiorite	Biotite - minor hornblende granodiorite: grey, medium to coarse grained, massive; scattered hornblende crystals to 12 mm long; I-type	Early Devonian to Early Devonian
G38a	Arte Gabbro - gabbro phase	Hornblende gabbronorite: coarse-grained; highly magnetic; I-type	Wenlock to Wenlock
G38b	Arte Gabbro - hornblende gabbro phase	Hornblende gabbro; medium grained, some with a tectonic foliation; I-type	Wenlock to Wenlock
G38d	Arte Gabbro - mylonite phase	Hornblende mylonite and amphibolite; plagioclase-hornblende-magnetite rock; I-type intrusive	Wenlock to Wenlock
G38c	Arte Gabbro - tonalite phase	Hornblende tonalite: medium-grained; consists of plagioclase, quartz, hornblende and minor biotite; I-type	Wenlock to Wenlock
Dxu	Arthurs Seat Rhyodacite	Hornblende rhyodacite and dacite, biotite rhyodacite: rhyodacite porphyritic with phenocrysts of perthitic orthoclase and oligoclase, contains accessory ilmenite, apatite, zircon, sphene and pyrite; dacite porphyritic with phenocrysts of quartz, hornblende, oligoclase and minor biotite, contains accessory ilmenite, zircon, apatite and sulphides	Middle Devonian to Late Devonian
Dsqa	Attunga Paringa Formation	Fluvial sediments: Breccia, conglomerate, sandstone, pebbly sandstone: poorly bedded, with poor to fair sorting; variable rounding; lithic clasts predominant and include volcanics, slate, granite; sandstone generally feldspathic to arkosic	Lochkovian to Pragian
G360	Aughaderry Tonalite	Hornblende tonalite: fine grained, yellowish grey; weakly porphyritic in plagioclase; abundant cordierite hornfels xenoliths; I-type; strongly magnetic	Early Devonian to Early Devonian

Code	Name	Description	Age
Dab	Avon Supergroup - basalt	Basalt: black to greenish, commonly amygdaloidal; alteration common with abundant chlorite	Late Devonian to Late Devonian
G444	Awaiti Granite	Muscovite-biotite granite: foliated to massive, buff, medium grained, porphyritic with phenocrysts of microcline and quartz; local schlieric foliation; metasedimentary enclaves common near northern margin; non-magnetic	Middle Cambrian to Early Ordovician
Pxb	Bacchus Marsh Formation	Tillite, diamictite, sandstone, mudstone, conglomerate: tillite and diamictite grey: massive to slump-folded; conglomerates range from pebble to boulder size; generally well-rounded; of highly varied lithology; mudstone dark grey to black; thinly bedded to laminated (varved); sedimentary dykes common; contains plant fossils and rare shallow-marine shelly fossils	Carboniferous to Permian
G149	Bald Hills Creek Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; equigranular; porphyritic in euhedral hornblende; rare microgranitoid enclaves; patchy chlorite, epidote and hematite alteration	Early Devonian to Early Devonian
Dsfa	Ballantyne Megabreccia	Megabreccia: volcanic and minor granite blocks (up to 30m across), in a pebbly mudstone matrix, intrusive rhyolite	Lochkovian to Pragian
Kxb	Ballark Conglomerate	Conglomerate, minor sandstone: pebble to boulder conglomerate; massive; clasts predominantly of Ordovician sandstone with minor vein quartz pebbles; sandstone medium to coarse-grained; cross-bedded; with occasional pebbles	Early Cretaceous to Early Cretaceous
Dske	Bally Hooley Ignimbrite	Feldspar ignimbrite: up to 5% quartz, variable crystal content; pyroclastic deposits	Pragian to Pragian
G385	Ballyrogan Granite	Biotite-muscovite granite: pale cream, felsic, fine grained; granophyric intergrowths between quartz and feldspar; aggregates of muscovite and of tourmaline scattered throughout; trace amounts of garnet	Early Devonian to Early Devonian
Nurb	Balmattum Basalt	Dark grey mafic volcanic rock with olivine phenocrysts 1-5 mm across in a groundmass of clinopyroxene, olivine, plagioclase, magnetite and glass, with minor analcite after nepheline. Ranges from basanite to alkali basalt.	Miocene to Miocene
G110	Banimboola Quartz Monzodiorite	Hornblende-biotite-clinopyroxene quartz monzodiorite, quartz diorite in part: greenish grey, equigranular, medium-grained; intensely magnetic; I-type	Early Devonian to Early Devonian
G176	Baranduda Granite	Biotite-muscovite granite: grey, medium grained, equigranular	Early Devonian to Early Devonian
G293	Baringhup Granodiorite	Biotite granodiorite; fine to medium grained, grey; slightly porphyritic; leucocratic, minor mafic enclaves: magnetic oxidised I-type	Late Devonian to Late Devonian
G216	Barjarg Granite	Dark orange biotite-cordierite granite with minor muscovite; fine to coarse grained; even grained to porphyritic - the latter contains large garnet phenocrysts in addition to plagioclase phenocrysts; accessory tourmaline and garnet; very weakly magnetic to non-magnetic	Late Devonian to Late Devonian
G182	Barnawartha Gneissic Granodiorite	Granodiorite: foliated, medium grained, biotite-rich; interleaving boundary with gneiss country rock; pegmatite dykes common	Llandovery to Pridoli
G77	Barrabilly Granite	Biotite-cordierite granite, fine to medium grained; dark grey; S-type	Llandovery to Wenlock
G340	Barrakee Granite	Cordierite-biotite granite: S-type, reduced; pale grey, medium grained	Early Devonian to Middle Devonian
G436	Barrama Microgranite	Biotite microgranite: massive, grey-buff, fine grained, porphyritic with phenocrysts of microcline, quartz, biotite and plagioclase; accessory muscovite and magnetite; magnetic	Late Cambrian to Early Ordovician
G282	Barringo Granodiorite	Biotite granodiorite and granite: mid- to dark grey; medium to fine-grained	Late Devonian to Late Devonian
G159	Barry Mountains Granite	Granitic rock; highly magnetic	Early Devonian to Early Devonian
Kob	Barwon River Conglomerate	Conglomerate, minor sandstone, pebbly sandstone, mudstone: conglomerate is poorly sorted with clasts of hornfels, gabbro and granite in a matrix of granitic sand	Albian to Albian
Dsa	basal breccia, conglomerate	Unnamed basal breccia, conglomerate, pebbly sandstone.	Lochkovian to Pragian
Qc6	basalt-derived slump deposits	Basalt blocks in black clay: unconsolidated; often located below perennial springs	Pliocene to Holocene
Dhb	Bass Camp Ignimbrite	Quartz-pink feldspar ignimbrite: red with large pumice fragments; occasional cavities	Early Devonian to Early Devonian
Ntb	Batesford Limestone	Limestone (calcarenite), minor sandstone and conglomerate: limestone pale brown to white; bryozoal; well sorted; well bedded; calcareous sandstone and gravel at base.	Aquitanian to Miocene
G236	Baw Baw Granodiorite	Biotite-hornblende granodiorite: bluish grey; medium-grained; equigranular; small microgranitoid enclaves common	Late Devonian to Late Devonian
G546	Bayliss Spur Tonalite	Tonalite: green to grey; medium to coarse-grained; minor pegmatitic leucogranite and hornblendite	Early Devonian to Early Devonian
G284	Baynton Granodiorite	Quartz-feldspar-biotite granodiorite: medium grained, equigranular granodiorite with numerous xenoliths of both sedimentary and igneous origin; nonmagnetic I-type	Late Devonian to Late Devonian
G284	Baynton Granodiorite-porphyritic phase	Quartz-feldspar-biotite granodiorite with minor hornblende and euhedral phenocrysts of plagioclase and K-feldspar up to 20 mm long; locally with large crystals of biotite; numerous sedimentary and igneous enclaves; nonmagnetic I-type.	Late Devonian to Late Devonian

Ordered by Name

Code	Name	Description	Age
G353	Bealiba Granodiorite	Biotite granodiorite: coarse grained, marginal strongly porphyritic phase contains K-feldspar up to 2 cm; local porphyritic microgranodiorite; includes pegmatite and aplite; local hydrothermal alteration: I-type	Early Devonian to Early Devonian
-Cab	Beaufort Formation	Sandstone, mudstone and black shale: sand-poor turbidite facies tectonically modified to phyllite, quartz-mica or graphitic schist; weathered to partly kaolinised; deep marine deposits	Middle Cambrian to Late Cambrian
G285	Beauvallet Granodiorite	Biotite-hornblende granodiorite: mid-grey; medium-grained equigranular to porphyritic with K-feldspar phenocrysts	Late Devonian to Late Devonian
G33	Bee Tree Granodiorite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type intrusive	Llandovery to Wenlock
G195	Beechworth Granite	Leucocratic biotite granite: medium grained, equigranular; accessory muscovite	Late Devonian to Late Devonian
G21	Beehive Granite	Biotite granite: pink, coarse grained, massive except on faulted margin; leucocratic; texturally variable with finer grained and megacrystic areas; I-type	Llandovery to Early Devonian
G574	Beetoomba Granodiorite	Hornblende granodiorite: pinkish grey, medium grained; equigranular; I-type; very altered; highly magnetic	Wenlock to Pridoli
-Pub	Begg Creek Basalt	Basalt flow: tholeiite with phenocrysts of plagioclase, olivine and augite in a groundmass of plagioclase, pyroxene and brown glass.	Paleogene to Neogene
G174	Bellbridge Granite	Biotite granite: weakly foliated, medium to coarse grained, with orthoclase phenocrysts up to 3 cm and biotite schlieren; S-type	Ludlow to Pridoli
G554	Beloka Gap Granite	Biotite granite: grey, strongly porphyritic in quartz and feldspar, miarolitic cavities often lined with smoky quartz	Triassic to Triassic
G368	Ben Major Granite	Hornblende-biotite granite: pale grey, medium grained	Early Devonian to Early Devonian
G374	Ben Nevis Granite	Biotite granite: pale grey to cream, porphyritic; dykes, pegmatite and quartz veins prevalent; small miarolitic cavities	Early Devonian to Early Devonian
Ob	Bendoc Group	Black shale, cherty shale, stripy thin-bedded sandstone and siltstone, laminated siltstone	Darriwilian to Bolindian
Dtb	Bennies Formation	Ignimbrite, conglomerate, sandstone: ignimbrite with variable, usually high, phenocryst content, commonly coarse-grained, some with biotite and/or garnet, lesser intercalated conglomerate dominated by well rounded vein quartz pebbles with lesser basement pebbles; minor sandstone and red mudstone.	Late Devonian to Late Devonian
G525	Bentleys Plain Granodiorite	Granodiorite: grey; coarse-grained equigranular; moderate biotite foliation; occasional igneous enclaves have diffuse margins	Early Devonian to Early Devonian
Stb	Berrawan Conglomerate	Conglomerate with minor sandstone; includes an interval of sandstone and siltstone, and an interval of vitric-rich ignimbrite and conglomerate.	Ludlow to Pragian
G358	Berrimal Granite	Biotite-hornblende granite: medium grained, biotite-hornblende intergrowths: I-type; weakly magnetic; intensely weathered to relict quartz grains in a kaolinite matrix.	Early Devonian to Middle Devonian
G571	Berringama Granodiorite	Biotite granodiorite: dark grey, medium grained; equigranular, mainly weakly to moderately foliated; I-type; nonmagnetic	Wenlock to Pridoli
Dfb	Besford Ignimbrite	Rhyolitic quartz ignimbrite: red, crystal-rich, with large quartz and feldspar phenocrysts and minor biotite in a welded groundmass	Emsian to Emsian
G57	Bete Bolong Granodiorite	Hornblende granodiorite: grey-green, medium to coarse-grained; I-type	Silurian to Devonian
G175	Bethanga Gneissic Granite	Coarse grained, well foliated, heterogeneous cordierite-garnet granite; contains quartz, perthitic K-feldspar, poorly zoned plagioclase, reddish-brown biotite, muscovite, cordierite, garnet and accessory zircon, apatite, ilmenite and sillimanite; common enclaves of migmatite and lensoid biotite-rich enclaves; S-type	Ludlow to Pridoli
Sob	Bethgarno Amphibolite	Finely banded amphibolite gneiss with hornblende-rich, biotite-rich and quartz-feldspar layers; contains hornblende, biotite, plagioclase, quartz and minor K-feldspar, with some cummingtonite-quartz-plagioclase layers; variably foliated with common mylonitic bands	Early Ordovician to Llandovery
G8	Betka Granodiorite	Biotite-hornblende granodiorite: coarse grained with large pink K-feldspars occasionally mantled by plagioclase; accessory sphene; I-type	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - quartz diorite phase	Hornblende-biotite quartz diorite: grey; coarse grained; equigranular; I-type.	Early Devonian to Early Devonian
G152	Big Hill Quartz Diorite - tonalite phase	Biotite tonalite; grey, medium grained; equigranular.	Early Devonian to Early Devonian
Dsge	Bimmarn Ignimbrite	Feldspar ignimbrite: dark with white euhedral feldspar phenocrysts	Pragian to Pragian
Dawb	Bindaree Formation	Boulder conglomerate, green mudstone, black shale.	Late Devonian to Late Devonian
G121	Bindi Granodiorite	Biotite granodiorite, granite: pale grey; medium-grained; massive; small biotite-rich enclaves common; enclaves of gneiss locally abundant	Llandovery to Wenlock
G81	Bingo Munjie Quartz Diorite	Hornblende-biotite quartz diorite: medium grained; dark green; epidote alteration; mafic enclaves common	Ludlow to Pragian
Dsfb	Black Mountain Ignimbrite	Quartz-feldspar ignimbrite: granular with large phenocrysts and abundant lithic clasts	Pragian to Pragian
G223	Black Range Granodiorite	Biotite granodiorite: generally porphyritic, biotite-bearing with occasional almandine, hypersthene and sillimanite; minor porphyritic microgranodiorite, aplite and pegmatite; S-type	Late Devonian to Late Devonian
Nbb	Black Rock Sandstone	Sand, sandstone, conglomerate, minor sandy limestone, local ironstone: pale to dark brown, reddish brown; generally very well sorted, variably cemented; horizontally laminated to low-angle cross-laminated; glauconitic; contains shelly fossils and burrows	Miocene to Pliocene
Code	Name	Description	Age
Dseb	Black Satin Ignimbrite	Quartz-feldspar ignimbrite: large phenocrysts, minor hornblende	Pragian to Pragian
Stl	Blackfellows Flat Conglomerate	Conglomerate, sandstone, pebbly sandstone, mudstone: clasts well rounded, sandstones with high felsic volcanic component. Formation fines upward	Ludlow to Pragian
G439	Blair Atholl Granite	Biotite-muscovite granite: foliated, pale tan, coarse grained leucocratic, equigranular; accessory garnet; rare biotite-rich microgranitoid enclaves; enclaves of migmatite and biotite-rich schlieren common near southern margin; magnetic	Middle Cambrian to Early Ordovician
Qxb	Blanchetown Clay	Laminated greenish-grey and red-brown clay and silty clay, locally calcareous and gypsiferous; minor interbedded quartz sand, ostracod sand; contains calcareous, gypsiferous and siliceous nodules.	Pliocene to Early Pleistocene
G26b	Blue Gum Tonalite - felsic phase	Biotite-hornblende tonalite (felsic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
G26a	Blue Gum Tonalite - mafic phase	Biotite-hornblende tonalite (mafic phase): greenish grey, medium to coarse grained, weakly foliated; hornblende crystals to 12 mm long, abundant mafic enclaves; I-type	Llandovery to Early Devonian
Okb	Blueys Creek Formation	Quartz sandstone, siltstone, chert, black slate, dacite and andesite lava, mafic volcanoclastic sandstone	Gisbornian to Gisbornian
G90b	Boebuck Granodiorite - highly magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; intensely magnetic; forms a ring-shaped feature in the magnetic image	Early Devonian to Early Devonian
G90a	Boebuck Granodiorite - magnetic phase	Hornblende granodiorite: pale grey, medium grained; I-type; highly to intensely magnetic	Early Devonian to Early Devonian
G90c	Boebuck Granodiorite - porphyritic diorite phase	Porphyritic diorite: pale pink and beige; medium grained, large phenocrysts of pinkish yellow plagioclase; common blebby enclaves of feldspar porphyry; I-type; highly magnetic	Early Devonian to Early Devonian
G90d	Boebuck Granodiorite - porphyritic phase	Porphyritic granite: pale pink and beige; medium grained, rich in K-feldspar; nonmagnetic	Early Devonian to Early Devonian
Dsnb	Boggy Creek Sandstone	Feldspar ignimbrite and feldspathic volcanogenic sandstone: thick bedded, dark grey; vitric mudstone; primary and reworked pyroclastic deposits	Pragian to Pragian
Qsb	Bolinda Shale	Black shale, siltstone, sandstone: thinly bedded; black shale and siltstone coarse-grained; micaceous; often richly graptolitic; sandstone pale grey; fairly well sorted; fine to medium-grained; Tbc and Tc sequences	Late Ordovician to Late Ordovician
G52	Bonang Granodiorite	Hornblende granodiorite: medium grained; gey; I-type	Llandovery to Wenlock
Sjo	Boola Formation	Siltstone, intercalated with lithic sandstone, conglomerate, limestone lenses: siltstone well bedded to prominently slump-folded; sandstone and conglomerate with mafic meta-igneous, carbonate and chert grains and clasts; limestone olistoliths	Lochkovian to Pragian
Dsko	Boorabal Andesite	Andesite lava, minor basalt lava lenses, breccia	Lochkovian to Pragian
G170	Boorgunyah Granite	Muscovite-biotite leucogranite: medium-grained, equigranular with clots of biotite-muscovite up to 2 cm; weakly foliated; S-type	Silurian to Silurian
Pxo	Boorhaman Conglomerate	Polymict conglomerate, pebbly sandstone, siltstone; fluvioglacial, marine	Permian to Permian
Deo	Boulder Flat Limestone	Limestone: massive, dark grey, recrystallized to stylonbrecciated; black shale; minor dolomite.	Early Devonian to Early Devonian
Dskm	Boundary Creek Conglomerate	Red conglomerate, gritstone and pebbly sandstone, red siltstone, mudstone	Lochkovian to Pragian
Dho	Bowen Track Ignimbrite	Quartz-feldspar ignimbrite. coarse, abundant white feldspar and large quartz grains set in a welded black glassy groundmass. Aggregates of feldspar are common. Minor small felsic lava or sedimentary lithics, occasional pumice clasts.	Early Devonian to Early Devonian
Qxr	Bridgewater Formation	Calcarene: medium to coarse grained shell fragments and minor quartz; consolidated, thin interbedded red palaeosols, minor hard calcrete capping, prominent dune cross-bedding; coastal dune deposits	Pleistocene to Pleistocene
Nb	Brighton Group	Gravel, sand, silt: variably calcareous to ferruginous sandstones and coquinas; marine to nonmarine	Miocene to Pliocene
G438	Brimboal Granodiorite	Biotite-hornblende granodiorite: foliated to massive, bluish-grey, medium to coarse grained, equigranular; occasional biotite-rich microgranitoid enclaves; accessory magnetite; magnetic	Middle Cambrian to Early Ordovician
-Cjb	Brissces Hut Andesite	Andesite lava, clinopyroxene-phyric; marine	Cambrian to Cambrian
Sxb	Broadford Formation	Medium- to thickly bedded, massive quartz arenite and quartz-litharenite with current ripples, and polymictic conglomerate; interbedded with thinly bedded fine-grained turbiditic sandstone,siltstone and claystone.	Llandovery to Pridoli
G49	Brodribb Granodiorite	Biotite granodiorite: medium grained, greyish blue; I-type	Llandovery to Wenlock
G46	Broken Leg Granite	Hornblende-biotite granodiorite: grey-green, medium-grained, weathered; I-type	Silurian to Devonian
G545	Brookville Granite	Granite: pale pink to cream; medium-grained; massive; minor dark coarse-grained hornblendite and quartz diorite on southern and western margins	Early Devonian to Early Devonian
G550	Brothers Syenite	Hornblende-biotite syenite: grey, coarsely porphyritic in the south and northeast, equigranular in the northwest; phenocrysts are orthoclase	Triassic to Triassic
G445	Bryan Creek Granodiorite	Biotite-muscovite granodiorite: foliated, grey, medium grained, porphyritic with phenocrysts of plagioclase and alkali feldspar; accessory sillimanite; foliation defined by aligned biotite, muscovite, and micaceous selvages; sporadic enclaves of schist; non-magnetic	Middle Cambrian to Early Ordovician
-Pur	Bryce Plain Basalt	Alkali olivine basalt, minor olivine tholeiite, minor hawaiiite, rare nephelinite: lava flows and plugs, interbedded sedimentary rocks. Dense, blue-black, rarely vesicular, typically strongly jointed.	Priabonian to Rupelian

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Code	Name	Description	Age	Code	Name	Description	Age
Ocrb	Bryo Gully Shale	Siltstone, shale; black; generally thin-bedded; siliceous in basal portion; contains sporadic graptolites	Lancefieldian to Lancefieldian	G224	Buxton Granodiorite	Biotite-garnet granodiorite and porphyry; greenish-grey; coarse-grained; porphyritic; in some places quartz-feldspar-garnet porphyry with same composition	Late Devonian to Late Devonian
G377	Buangor Granite	Hornblende-biotite granite: pale grey to pink; speckled appearance; porphyritic texture, with phenocrysts of perthitic K-feldspar; granophytic intergrowths common; rare mafic clots of hornblende and biotite	Early Devonian to Early Devonian	G197	Byawatha Granite	Fine-grained to aplitic granite	Late Devonian to Late Devonian
Dbb	Buchan Caves Limestone	Limestone and dolomite: black to grey; thickly bedded, graded calcarenite to calcilutite, skeletal or peloidal grainstone and wackestone; base massive with few fossils, becoming more fossiliferous upwards. Minor siliceous bands at Gillingall; jasperoidal silica at The Basin; some volcaniclastic sediments near the base.	Pragian to Emsian	G67	Cabanandra Granodiorite	Biotite granodiorite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock
G394	Buckeran Diorite	Hornblende-biotite diorite with clinopyroxene cores to the hornblende and rare orthopyroxene; medium to coarse grained, equigranular. The pluton is mostly magnetic, with a non-magnetic core.	Middle Cambrian to Late Cambrian	G432	Cairns Creek Granodiorite	Rim of hornblende-biotite granodiorite: massive, pale greenish, coarse grained, porphyritic with plagioclase, biotite, hornblende and quartz phenocrysts; accessory magnetite, sphene and allanite; magnetic. Core of biotite granodiorite: massive, coarse grained, alkali feldspar-phyric to equigranular, with accessory magnetite and sphene; weakly magnetic.	Late Cambrian to Early Ordovician
G394	Buckeran Diorite nonmagnetic phase	Weakly to non-magnetic phase of Buckeran Diorite; not exposed.	Middle Cambrian to Late Cambrian	-Pxa	Calivil Formation	Conglomerate, sandstone, silt, clay; brown to pale colours; poorly sorted; clasts variably rounded; predominant vein quartz clasts; cross-bedding prominent	Oligocene to Miocene
G336	Buckrabanyule Granite	Cordierite granite: medium grained; contains enclaves of schistose hornfels and feldspar porphyry; S-type; nonmagnetic	Early Devonian to Middle Devonian	Dadc	Callemondah Conglomerate	Conglomerate, sandstone, mudstone: conglomerate is polymictic with imbricated pebbles and cobbles of vein quartz, metasedimentary rock, chert, siltstone; forms prominent bluffs. Sandstone and mudstone red; sandstone lithic	Late Devonian to Late Devonian
G87	Buckwong Granodiorite	Biotite granodiorite: dark grey; medium-grained; felsic northern phase locally foliated	Llandovery to Wenlock	-Cxx	Cambrian metamorphosed mafic volcanics	Metadiorite, metagabbro, metadolerite, metabasalt, meta-basaltic lapilli tuff; greyish-green, massive, fine- to medium-grained; low-K tholeiite suite with metamorphic minerals including actinolite, chlorite, epidote, albite, sphene, pumpellyite, prehnite and sericite; sub-greenschist to greenschist facies regional metamorphism	Early Cambrian to Middle Cambrian
G87a	Buckwong Granodiorite felsic phase	Felsic phase, locally foliated, pink in radiometrics	Llandovery to Wenlock	-Cg	Cambrian, intrusive rocks	Undifferentiated magnetic granite: biotite granite.	Middle Cambrian to Late Cambrian
G22	Buldah Gap Granodiorite	Hornblende-biotite granodiorite: dark grey, medium to coarse grained, mostly massive; extensive pyritic marginal phase porphyritic in quartz and feldspar, equigranular interior: prominent quartz; rare pyroxene; I-type	Llandovery to Early Devonian	-Cx	Cambrian, sedimentary rocks	Chert, volcaniclastic sandstone, mudstone, conglomerate, limestone.	Cambrian to Cambrian
G388	Bulgana Diorite	Biotite-hornblende-quartz diorite: dark grey, fine grained; numerous darker diorite xenoliths; oxidised, highly magnetic	Early Devonian to Early Devonian	G66	Campbells Knob Granodiorite	Biotite granodiorite: medium grained; pale grey; abundant gneiss and biotite schist enclaves, aplite and Snowy River Volcanic dykes	Llandovery to Wenlock
G62	Bull Run Gap Granite	Felsic biotite granite: fine to medium grained; grey; S-type.	Llandovery to Wenlock	G209	Camview Granite	Biotite granite: varies from evenly medium grained to coarse grained and weakly porphyritic in both feldspars; tourmaline is present, both disseminated and in nodules.	Late Devonian to Late Devonian
G276	Bulla Granodiorite	Biotite-cordierite granodiorite and granite: coarse-grained; minor garnet	Late Devonian to Late Devonian	G25	Cann Mountain Granodiorite	Biotite - minor hornblende granite: pale yellow grey, coarse- grained, massive; prominent quartz; chloritised mafic minerals; I-type	Llandovery to Early Devonian
G403	Bullawin Porphyry	Biotite hornblende dacite/rhyodacite: greyish green; glassy to medium-grained, sparse feldspar and quartz phenocrysts; oxidised; forms small stocks	Early Devonian to Early Devonian	G42	Cape Conran Granite	Granite: composition variable; muscovite, biotite-(hornblende); coarse-grained; mylonitic; I-type	Silurian to Devonian
Nxu	Bullengarook Gravel	Gravel, sand, silt: gravel predominant; pale; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; pebble gravel consists mostly of vein quartz	Miocene to Pliocene	G356	Carapooee Granodiorite	Biotite granodiorite: variable texture and composition from medium grained granite to porphyritic granodiorite with large anhedral to subhedral weakly perthitic K-feldspar grains ~10 mm across.	Early Devonian to Early Devonian
Sjb	Bullung Siltstone	Siltstone, minor sandstone: siltstone dark grey, generally finely banded and bioturbated, uppermost portion contains mass-flow deposits with pockets of comminuted shelly fossils; sandstone thin to very thin-bedded, pale, quartzitic	Telychian to Homerian	-Puc	Carrajung Volcanic Group	Basalt, tuff, siltstone, claystone: titanaugite basalt coarse-grained; olivine basalt fine-grained porphyritic; tuff weathered; bedded to cross-bedded	Thanetian to Ypresian
G467	Bundara Munjie Quartz Diorite	Hornblende-biotite quartz diorite: fine to medium grained; porphyritic, with large hornblende and biotite phenocrysts, lesser plagioclase, augite phenocrysts in groundmass of fine plagioclase, accessory quartz and magnetite; common chlorite, epidote alteration.	Silurian to Early Devonian	Dsqb	Carriage Range Ignimbrite	Quartz ignimbrite: range from coarse-grained with very high phenocryst content to finer, less crystal-rich rocks; high cognate lithic content gives rock a clastic appearance	Lochkovian to Pragian
G168	Bundara Tonalite	Biotite tonalite: grey; coarse to medium grained; equigranular; biotite-rich, hornblende occurs locally; minor enclaves; includes minor granodiorite types with orthoclase and no hornblende; foliated; I-type	Silurian to Silurian	G414	Carrigeen Granodiorite	Muscovite-biotite granodiorite: massive to foliated, bluish-white, medium grained, equigranular; local accessory garnet; metasedimentary enclaves, microcline megacrysts and schlieric foliation become more abundant toward the periphery	Middle Cambrian to Early Ordovician
G555	Bung Bung Syenite	Hornblende-biotite syenite: pale grey, medium to coarse grained, equigranular, porphyritic in the south	Triassic to Triassic	-Crc	Carrolls Amphibolite	Hornblende-quartz-feldspar (+/-garnet+/-epidote+/-calc-silicate) schist; minor greenschist; mylonitic in places; amphibolite rock preserves occasional plagioclase phenocrysts, amygdales, and thin pale layers of plagioclase, diopside, garnet, quartz-calcareous layers within the basaltic protolith; from Magdala Volcanics precursor; moderately magnetic; highly magnetic within Devonian contact aureoles	Late Cambrian to Late Cambrian
G210	Bungeet West Granite	Equigranular medium-grained, pinkish biotite granite with vermiculite, indicating some hydrothermal alteration; accessory muscovite, flourite.	Late Devonian to Late Devonian	G164	Carruno Tonalite	Biotite tonalite: grey; medium grained; equigranular; I-type	Early Devonian to Early Devonian
Deu	Bungywarr Formation	Sandstone and pebble conglomerate, including volcaniclastics; interbedded ignimbrite-like rocks are unwelded; minor rhyolitic lava is surrounded by hyaloclastite	Early Devonian to Early Devonian	Dskh	Carson Creek Ignimbrite	Feldspar ignimbrite: pumiceous, commonly with well developed eutaxitic foliation, grey; thin breccia and sandstone lenses; pyroclastic and epiclastic deposits	Pragian to Pragian
G91b	Bunroy Hut Granite - highly magnetic phase	Biotite granodiorite: grey, medium to coarse grained and equigranular; occasional small ovoid microgranular mafic enclaves; I-type; highly magnetic	Wenlock to Pridoli	G513	Case Granite	Leucocratic granite: medium-grained, very poorly exposed and altered; I-type	Middle Devonian to Middle Devonian
G91c	Bunroy Hut Granite - leucocratic phase	Leucogranite and biotite granite: grey, massive equigranular; I-type; moderately magnetic	Wenlock to Pridoli	G142	Castleburn Granite	Biotite granite: grey, medium-grained, equigranular, massive	Silurian to Devonian
G91a	Bunroy Hut Granite - moderately magnetic phase	Biotite granite: moderately porphyritic; equant quartz phenocrysts to 10 mm across; I-type; low to moderately magnetic	Wenlock to Pridoli	Ocb	Castlemaine Group - Bendigonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Bendigonian to Bendigonian
G568	Burbibyong Granite	Biotite cordierite granite: brownish grey, medium to fine grained; locally foliated; S-type; nonmagnetic	Wenlock to Pridoli	Occ	Castlemaine Group - Castlemainian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Castlemainian to Castlemainian
G14	Burglar Gap Granite	Leucocratic granite: pale grey, fine to medium grained, massive; contains biotite and muscovite; I-type	Llandovery to Early Devonian	Och	Castlemaine Group - Chewtonian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Chewtonian to Chewtonian
G381	Burrunbeep Granodiorite	Hornblende-biotite granodiorite; pale grey; porphyritic; fine to medium grained; miarolitic cavities, symplectic intergrowth textures suggest shallow intrusion level; contact metamorphosed by enclosing Ararat Granodiorite; oxidised, I-type, very weakly to non-magnetic	Early Devonian to Middle Devonian	Ocd	Castlemaine Group - Darriwilian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded; diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Darriwilian to Darriwilian
G96	Burrungabugge Granodiorite	Hornblende-biotite granodiorite: dark green, medium-grained; epidote alteration common; highly magnetic	Early Devonian to Early Devonian	Ocl	Castlemaine Group - Lancefieldian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Lancefieldian to Lancefieldian
G395	Bushy Creek Granodiorite - equigranular phase	Hornblende-biotite granodiorite: grey, equigranular; weakly magnetic; deeply weathered.	Middle Cambrian to Late Cambrian				
G395	Bushy Creek Granodiorite - porphyritic phase	Hornblende granodiorite: porphyritic with phenocrysts of quartz, plagioclase, alkali feldspar and hornblende; strongly magnetic.	Middle Cambrian to Late Cambrian				
G88	Butchers Block Tonalite	Tonalite; magnetic; I-type	Early Devonian to Early Devonian				

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Code	Name	Description	Age	Code	Name	Description	Age
Ocy	Castlemaine Group - Yapeenian	Sandstone, mudstone, black shale and minor granule quartz conglomerate: mostly thick-bedded sandstone, coarse- to fine-grained, often graded, diffusely stratified to cross laminated, moderately to well sorted; sparsely fossiliferous with graptolites and phyllocarids; deep marine turbidites and hemipelagic sediments	Yapeenian to Yapeenian	G540	Commins Track Leucogranite	Leucogranite: grey to pink; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian
Oc	Castlemaine Group	Undifferentiated: sandstone, siltstone, black shale; sparsely fossiliferous; deep marine turbidite and hemipelagic deposits	Lancefieldian to Yapeenian	G286	Commissioners Flat Granodiorite	Hornblende-biotite granodiorite: fine- to medium-grained, equigranular; leucocratic; contains alteration assemblage of albite, chlorite and sericite.	Late Devonian to Late Devonian
Dsp	Castor Oil Lava	Rhyolite, andesite and basalt: lava dome/cryptodome	Pragian to Pragian	Czg	conglomerate and sandstone	Conglomerate, quartz sandstone and siltstone: consolidated to commonly ferruginised; variably sorted; cross-bedding common	Paleocene to Pliocene
Dc	Cathedral Group	Fluvial: red and green sandstone, siltstone, conglomerate	Emsian to Emsian	G117	Connleys Track Granodiorite	Biotite-muscovite granodiorite: grey; medium-grained; equigranular; massive to moderately foliated	Wenlock to Ludlow
G701	Cattleyard Granite	Granitic rock; moderately magnetic, low K, low Th, moderate U	Llandovery to Wenlock	G135	Connors Creek Tonalite	Biotite-hornblende tonalite: medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
Dxd	Cave Hill Sandstone	Quartzitic sandstone, conglomerate	Early Devonian to Early Devonian	Qyc	Coode Island Silt	Black silt, clay: lagoon deposits	Pleistocene to Pleistocene
-Cxc	Ceres Gabbro	Metagabbro: weakly deformed to mylonitic; amphibolite facies, with hornblende, plagioclase and relict igneous clinopyroxene.	Neoproterozoic to Cambrian	G512	Cooney Ridge Granodiorite	Hornblende-biotite granodiorite: medium to coarse-grained; I-type	Llandovery to Wenlock
G185	Changue East Diorite	Diorite, gabbro: medium grained, dark green-grey	Middle Devonian to Middle Devonian	G359	Coonooer Granite	Muscovite-biotite granite: pale grey to pink, weakly porphyritic, coarse to fine grained phases, aplite and pegmatite present; muscovite > biotite and microcline > plagioclase, granoblastic texture, weak flow foliation in places; S-type; reduced; nonmagnetic core and weakly magnetic rim.	Early Devonian to Middle Devonian
G106	Charlestown Tonalite	Hornblende-biotite-(pyroxene) quartz diorite: dark bluish to greenish grey; medium-grained	Early Devonian to Early Devonian	Sjc	Coopers Creek Limestone	Limestone: mid- to very dark grey; bedded to massive; stylobrecciated; minor chert conglomerate, mudstone; lower well-bedded facies of biomicrite and sparite overlain by upper facies of massive wackestone; fossiliferous	Pragian to Emsian
G310	Chepstowe Granodiorite	Biotite granodiorite: medium to coarse grained, pale pinkish-grey; oxidised mafic I-type; magnetic.	Middle Devonian to Late Devonian	G533	Coopracambra Tonalite	Hornblende-biotite tonalite: dark grey green, coarse grained, massive; strongly porphyritic in quartz and feldspar; strongly altered	Early Devonian to Early Devonian
G211	Chesney Vale Granite	Small intrusions of fine to medium-grained pinkish granophyre, contains tourmaline nodules; consists of quartz, plagioclase, K-feldspar, biotite, zircon, tourmaline, opaques.	Late Devonian to Late Devonian	G92	Corryong Granite	Two-mica cordierite granite: grey, medium to very coarse grained; equigranular to strongly porphyritic in K-feldspar; locally contains sillimanite or andalusite; S-type;	Wenlock to Pridoli
G433	Chetwynd Tonalite	Biotite tonalite: massive, bluish-grey, coarse grained with quartzphenocrysts; accessory magnetite and rare allanite; uncommon mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician	Sxc	Costerfield Siltstone	Monotonous sequence of laminated to thinly bedded siltstone, minor sandstone towards top, in part pyritic; intensely bioturbated; sparse fossils include crinoid ossicles and a trilobite fragment; deep-marine hemipelagic deposit .	Telychian to Sheinwoodian
-Pvc	Childers Formation	Sandstone, conglomerate, clay, sand, gravel; fluvial deposits	Eocene to Eocene	TRxc	Council Trench Formation	Sandstone, conglomerate: cream to brown; sandstone feldspathic; contains conglomerate as lenses to pebble trains; pebbles of dark grey quartz and minor lithic material; fragmentary plant fossils	Triassic to Jurassic
G76	Chilpin Granodiorite	Biotite granodiorite: very fine to medium grained; S-type	Llandovery to Wenlock	Sec	Cowombat Siltstone	Siltstone: grey, black and green; interbedded with subordinate sandstone, conglomerate and lenses of limestone.	Pridoli to Pridoli
Qd3	clay-rich dunes	Low dunes of clay, sandy clay and sand, with small areas of swamp between dunes; includes some lunettes, but mostly forms areas of slightly elevated topography; dominantly aeolian	Pleistocene to Quaternary	G579	Coynallan Tonalite	Hornblende tonalite: medium grained equigranular to coarse and porphyritic; massive to foliated; numerous round mafic enclaves to several metres across; I-type; weakly to moderately magnetic	Wenlock to Pridoli
G251	Cliffy Island Granite	Granite, S-type	Middle Devonian to Middle Devonian	Kxi	Cretaceous, intrusive rocks	Basalt, olivine microgabbro; dykes and plugs	Cretaceous to Cretaceous
Nhc	Clifton Formation	Calcarenite: generally medium to coarse grained, fragments of bryozoans, molluscs and echinoids, minor quartz and limonite sand; moderately bedded, alternating poorly and well-cemented beds; shallow marine and minor beach and near shore deposits	Oligocene to Miocene	G5	Croajingalong Granite	Biitote granite: pink, coarse, porphyritic; rare microgranitoid enclaves	Early Devonian to Early Devonian
G418	Cloven Hills Granodiorite	Biotite-hornblende granodiorite: massive, light buff, medium to coarse grained, equigranular; accessory magnetite, sphene, allanite and epidote; magnetic	Late Cambrian to Early Ordovician	G515	Crohn Granite	Tonalite: medium-grained, porphyritic, green-grey	Wenlock to Wenlock
Qd11	coastal dune deposits	Sand, silt, clay: well sorted, poorly consolidated; coastal dune and beach deposits, some swamp deposits	Holocene to Holocene	G289	Crosbie Granite	Biotite granite: medium- to coarse-grained, equigranular; composed of quartz, orthoclase, plagioclase and biotite	Late Devonian to Late Devonian
Qg	coastal lagoon deposits	Silt, clay: dark grey to black; variably consolidated	Holocene to Holocene	G534	Crowstick Diorite	Hornblende-bearing quartz diorite.	Llandovery to Early Devonian
Sc	Cobbannah Group	Sandstone, siltstone: sandstone quartzitic, thick to thin bedded, fine to coarse grained, pale grey; siltstone massive to bedded, commonly bioturbated, grey to pale colours	Llandovery to Wenlock	Doc	Cudgewa Falls Volcanics	Lava domes/flows and ignimbrite: dark greenish grey porphyritic crystal poor lava, massive to flow banded rhyolite; pale green and grey ignimbrite with variable pumice and crystal content; includes fine bands of pyroclastic surge deposits with abundant accretionary lapilli	Early Devonian to Middle Devonian
Dtc	Cobbler Rhyolite	Rhyolitic lava with garnet phenocrysts, and lava breccia that is probably resedimented.	Late Devonian to Late Devonian	Dsec	Currie Creek Ignimbrite	Quartz-feldspar ignimbrite: green with abundant lithic clasts	Pragian to Pragian
-Cjc	Cobbs Spur Andesite Breccia	Andesite breccia, volcanogenic sandstone, phosphatic shale, limestone megaclasts.	Cambrian to Cambrian	G386	Curtis Diorite	Hornblende-biotite diorite: dark grey to black; quartz poor; feldspar and hornblende phenocrysts; oxidised, highly magnetic	Early Devonian to Early Devonian
G549	Cobungra Granite	Granite, granodiorite: dark grey; fine to coarse-grained; massive to strongly foliated; abundant K-feldspar phenocrysts and small clots of biotite+sillimanite; variable muscovite-biotite-cordierite-sillimanite content; abundant metasedimentary enclaves; grades into migmatite.	Llandovery to Wenlock	Qhd	dam wall deposits	Dam wall material.	Holocene to Holocene
G527	Cocks Break Granodiorite	Granodiorite: grey; medium-grained; porphyritic in biotite	Early Devonian to Early Devonian	Dskf	Dandan Andesite	Andesite lava, minor andesite breccia with carbonate-filled vughs	Pragian to Pragian
Nxc	Coimadai Shale	Dolomite, clay, sand, tuff: dolomite: white to yellow; clay variable; laminated to varved; tuff basaltic; sand-sized; graded	Pliocene to Pliocene	Sxg	Dargile Formation	Mudstone, minor sandstone and conglomerate: laminated to thinly bedded siltstone with minor current ripples and shelly fossils; fine-grained quartz sandstone and oligomictic cobble conglomerate; deep water marine sediments.	Llandovery to Pridoli
G297	Colbinabbin Diorite	Quartz diorite: grey-green; fine- to medium-grained; subophitic growths of plagioclase and augite, with hornblende commonly replacing augite	Cambrian to Cambrian	G140	Dargo Tonalite - granite phase	Granite: grey, medium-grained, equigranular to porphyritic in K-feldspar; massive.	Early Devonian to Early Devonian
Djc	Coldstream Rhyolite	Rhyolite lava: coherent flow-banded to autobrecciated; dark greenish to bluish grey, with occasional phenocrysts of andesine in a cryptocrystalline matrix of oligoclase and orthoclase, choritised biotite, little quartz.	Late Devonian to Late Devonian	G140	Dargo Tonalite - tonalite phase	Biotite-hornblende tonalite: grey, medium-grained, equigranular to porphyritic in hornblende, massive.	Early Devonian to Early Devonian
Jc	Coleraine Volcanic Group	Trachyte and basalt: lava flows, lava domes and laccoliths.	Jurassic to Jurassic	Nxr	Darley Gravel	Gravel, sand, silt: gravel red to pale colours; rounding and sorting moderate to good; moderately consolidated; massive to trough cross-bedded; gravel clasts of vein quartz, sandstone, basalt, ironstone in proportions that reflect the local source	Neogene to Pleistocene
Qc1	colluvium	Diamictite, gravel, sand, silt, clay, rubble: sorting variable, usually poor; generally poorly rounded; clasts locally sourced; includes channel deposits with better rounding and sorting	Pliocene to Holocene	Ddd	Dart River Volcanic Breccia	Breccia, poorly sorted, with clasts and occasional megaclasts of Ordovician bedrock, ignimbrite, andesite, granite and limestone	Early Devonian to Early Devonian
G130	Colquhoun Granite	Biotite granite: coarse to medium-grained, pink	Early Devonian to Middle Devonian	Ddh	Dartella Volcanic Group - dyke	Hornblende-feldspar porphyry dyke: dark green, fine grained; plagioclase phenocrysts up to 3 mm long; highly magnetic	Early Devonian to Middle Devonian
Dxc	Combyingbar Formation	Sandstone: coarse grained, pebbly sandstone; yellow to grey, generally thick bedded; and mudstone, massive, red-purple, with abundant interbedded sandstone; fluvial deposits	Late Devonian to Late Devonian				

Ordered by Name

Code	Name	Description	Age
G109	Dartmouth Granite	Biotite granite, gneissic granite: varies from strongly banded gneiss to homogeneous granite with abundant sedimentary enclaves; various grey colours, medium-grained	Llandovery to Wenlock
Dsbi	Davidsons Lane Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone; mostly massive and clast supported; fluvial deposits	Lochkovian to Pragian
G559	Day Hill Syenite	Biotite syenite, quartz syenite: leucocratic; equigranular coarse-grained	Triassic to Triassic
Gdb	Dead Bird Suite	Hornblende-biotite diorite/granodiorite: dark grey-green, fine to medium-grained, equigranular; often strong epidote-chlorite alteration; plugs	Early Devonian to Early Devonian
Dsgb	Dead Cattle Gully Ignimbrite	Feldspar ignimbrite: grey to black with small quartz, ferromagnesian minerals and red pumice	Pragian to Pragian
DSxe	Deddict Rhyodacite	Porphyry dykes; quartz-feldspar (hornblende) porphyry	Pragian to Pragian
G169	Dederang Granite	Muscovite-biotite granite: grey; equigranular; medium grained; much of it is foliated and mylonitized by the Kiewa Shear Zone	Silurian to Early Devonian
-Crd	Deenicull Schist	Quartz-chlorite (+/-tremolite+/-actinolite+/-biotite) schist; strongly schistose; polydeformed; numerous thin quartz veins; formed from a mix of Magdala Volcanics and Albion and Leviathan Formation precursors? low to highly magnetic	Late Cambrian to Late Cambrian
Sxd	Deep Creek Siltstone	Siltstone and sandstone: siltstone: dark grey-green, thin to thick-bedded, mostly strongly bioturbated; sandstone: regularly interbedded with siltstone; thin to very thin, commonly with ripple marks; rare conglomerate and diamictite; contains rare graptolites.	Bolindian to Rhuddanian
Dad	Delatite Group	Red siltstone, minor sandstone, conglomerate	Late Devonian to Late Devonian
G70	Dellicknora Granite	Biotite-cordierite granite: medium grained, quartz pyhric; grey; S-type	Llandovery to Wenlock
G190	Demon Ridge Andesite Porphyry	Andesite porphyry: abundant phenocrysts of hornblende, glomerocrysts of plagioclase, rare quartz in a fine-grained recrystallised granoblastic groundmass of biotite, feldspar and quartz; hornblende partly replaced by actinolite and biotite	Silurian to Devonian
-Pd	Demons Bluff Group	Carbonaceous pyritic silt to fine sand, clay, and clayey sand; contains occasional shelly fossils and glauconite.	Eocene to Oligocene
Jcd2	Den Hills Formation - domes and laccoliths	Domes and laccoliths: trachyte, phonolite and microsyenite; cream to dark grey equigranular to sanidine-phyrlic. Flow foliation is common; some have random felty texture	Jurassic to Jurassic
Jcd1	Den Hills Formation - lava flows	Lava flows: trachyte, phonolite; cream to dark grey, fine-grained; small phenocrysts of sanidine locally abundant; common flow foliation	Jurassic to Jurassic
G424	Dergholm Granite	Biotite granite: massive, pink, medium to coarse grained, leucogranite; equigranular to weakly porphyritic in alkali feldspar; accessory magnetite and fluorite; magnetic to nonmagnetic	Early Ordovician to Early Ordovician
G17	Dermdang Granite	Leucocratic granite: pink, medium grained, massive; minor biotite, rich in K-feldspar	Early Devonian to Early Devonian
Dskg	Detarka Ignimbrite	Feldspar ignimbrite: vitric with small compressed pumice fragments	Lochkovian to Pragian
Nxe	Deutgam Silt	Silt, minor sand and gravel	Pliocene to Pleistocene
DSxd	Devils Den Conglomerate	Conglomerate, breccia, sandstone, minor siltstone, shale	Lochkovian to Pragian
Dgu	Devonian leucogranite	Unnamed leucogranite: grey, medium grained; contains minor biotite; massive; nonmagnetic	Early Devonian to Late Devonian
Dg	Devonian, granite	Granite, granodiorite	Devonian to Devonian
Dx	Devonian, sedimentary rocks	Conglomerate, sandstone, mudstone	Early Devonian to Carboniferous
Dsbe	Dicks Creek Ignimbrite	Feldspar ignimbrite: pink vitric matrix with minor quartz phenocrysts; wispy pumice fragments	Pragian to Pragian
Oxd	Digger Island Marlstone	Limestone, calcareous siltstone; basal conglomerate with chert and igneous rock fragments overlain by thick bedded dolomites with 'brecciated' tops, interbedded with breccia; most of the formation consists of thinly bedded, muddy limestone.	Early Ordovician to Early Ordovician
-Co	Dimboola Igneous Complex	Mafic and ultramafic lava including low-Ti boninite, tholeiite and cumulate gabbro, dolerite, diorite, granophyre; volcaniclastics; greenschist facies metamorphic overprint.	Cambrian to Cambrian
DSxi	Dingo Hill Lava	Extrusive, intrusive: rhyolite lava with quartz and feldspar phenocrysts; flow banded to autobrecciated	Lochkovian to Pragian
Dsbg	Dinner Hill Gap Lava	Rhyolite lava and rhyolite breccia	Pragian to Pragian
G167	Dinner Plain Tonalite	Biotite tonalite: light grey, medium to coarse-grained, equigranular; unfoliated; variably magnetic.	Early Devonian to Early Devonian
Qc5	dissected colluvium	Diamictite: variable mixture of clay, silt, sand, gravel, boulders; variably sorted; variably consolidated; may include layers of better-sorted sand and gravel; colluvial fans variably dissected	Pliocene to Pleistocene
Nc4	dissected granite-derived colluvium	Quartz and feldspar sand and gravel: well sorted, fine to medium grained; derived from granite	Pliocene to Pleistocene
G517	Doctors Flat Tonalite	Biotite-hornblende tonalite and granodiorite: grey; medium to coarse-grained; rare phenocrysts; massive to foliated; sporadic small mafic igneous enclaves	Early Devonian to Early Devonian

Code	Name	Description	Age
Dyad	Donna Buang Rhyodacite	Rhyodacite: aries from light to dark grey according to degree of crystallization; phenocrysts of plagioclase, biotite, enstatite, rare quartz and K-feldspar; groundmass coarsens towards the top; contains large lithic fragments of underlying rhyodacite.	Late Devonian to Late Devonian
Sjd	Donnellys Creek Siltstone	Siltstone, rare sandstone: siltstone dark grey to green-grey; finely banded and bioturbated; sandstone very thinly bedded	Rhuddanian to Aeronian
-Cd	Dookie Igneous Complex	Basalt, microgabbro, gabbro, pyroxenite; affected by low-grade regional metamorphism, with development of albite, actinolite, chlorite, epidote and sericite	Cambrian to Cambrian
Dsgc	Doonarlik Ignimbrite	Feldspar ignimbrite: dark; white to green euhedral feldspar phenocrysts	Pragian to Pragian
Nxd	Dorodong Sand	Sand, sandstone, silt, fine conglomerate, cross-bedded; ferricrete	Miocene to Pliocene
G56	Double Bull Granodiorite	Hornblende granodiorite: grey-green, coarse-grained, weathered; I-type	Silurian to Devonian
Dhd	Douglas Ignimbrite	Feldspar ignimbrite: brown with minor quartz phenocrysts and abundant red pumice fragments	Early Devonian to Early Devonian
Dsgd	Doyle Gully Ignimbrite	Feldspar ignimbrite with small quartz and angular altered green lithic clasts	Pragian to Pragian
G262	Dromana Granite	Biotite granite: greenish, medium-grained, equigranular granite containing quartz, greenish orthoclase, perthite, oligoclase and biotite with accessory sphene, zircon, ilmenite and apatite; intruded by dykes of porphyry and aplite.	Late Devonian to Late Devonian
G16	Drummer Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained massive; compositionally zoned with two biotite granite phases; I-type	Early Devonian to Early Devonian
G468	Dry Gully Granodiorite	Biotite granodiorite; fine to medium-grained, porphyritic; with large euhedral plagioclase phenocrysts in a groundmass of quartz, plagioclase, K-feldspar, biotite, muscovite.	Silurian to Early Devonian
G147	Dry Hill Granodiorite	Biotite granodiorite: grey; medium-grained; massive to strongly foliated; minor fine-grained granodiorite	Early Devonian to Early Devonian
-Pmd	Duddo Limestone	Calcarenite, bryozoa limestone	Chattian to Langhian
G553	Duggan Creek Granite	Biotite granite: grey, equigranular	Triassic to Triassic
Qd2	dune deposits	Sand, clay, calcareous sand: well rounded, moderately consolidated, locally ferruginised.	Pleistocene to Pleistocene
G416	Dunmore Leucotonalite	Muscovite tonalite: foliated, white to pale green, coarse grained, equigranular with rare biotite; pervasive schlieric foliation; abundant enclaves of gneiss and migmatite	Middle Cambrian to Early Ordovician
G383	Dunneworthy Granodiorite	Biotite granodiorite: pale grey; medium grained; strongly kaolinised in places	Early Devonian to Early Devonian
Czf	duricrust	Ferricrete, silcrete: duricrust	Miocene to Quaternary
G399	Dwyer Granite	Hornblende-biotite granite: reddish to pale pinkish grey; fine to medium-grained, generally porphyritic, commonly granophyric, miarolitic cavities, flow-folded rhyolitic dykes; oxidised	Early Devonian to Early Devonian
Y-ap	dyke, aplite	Aplite dyke	Silurian to Carboniferous
Y-F	dyke, felsic	Felsic dykes: fine to coarse-grained, glassy to porphyritic, greenish-grey to reddish; somewhat variable assemblage of quartz, feldspar, biotite and hornblende in a glassy groundmass	Silurian to Carboniferous
Y-gr	dyke, granite	Granite dyke	Silurian to Carboniferous
Y-in	dyke, intermediate	Intermediate dyke	Phanerozoic to Phanerozoic
Y-dim	dyke, metadiorite	Metadiorite dykes and sills: massive to foliated; greenschist to amphibolite facies metamorphism	Early Cambrian to Carboniferous
Y-py-	dyke, quartz-feldspar porphyry	Quartz-feldspar porphyry dyke	Silurian to Devonian
Y-Dp	dyke, ring dyke	Quartz-feldspar porphyry: quartz and feldspar in variable amounts; usually as large euhedral crystals; minor biotite in an altered glassy groundmass	Early Devonian to Middle Devonian
Y-Mz	dykes and plugs	Volcanic plugs and dykes: basaltic, nephelinitic, dioritic; normally and reversely magnetised (subsurface only)	Mesozoic to Mesozoic
Y-bs	dykes and plugs, basalt	Basalt: dark grey to black, fine grained; contains olivine, pyroxene; occurs as small plugs and rare dykes; highly to intensely magnetic	Jurassic to Quaternary
G48	Dysentery Tonalite	Hornblende-biotite tonalite: coarse-grained; abundant mafic inclusions; I-type	Silurian to Devonian
-Cie	Eagle Peaks Basalt	Marine extrusive: tholeiitic basalt lava, aphyric, massive and pillowed; minor interflow and interpillow cherty sedimentary rocks	Cambrian to Cambrian
G151	East Kiewa Granodiorite	Biotite granodiorite: grey, medium grained, equigranular; some muscovite-bearing phases; I-type	Early Devonian to Early Devonian
-Pxvb	Eastern View and Boonah formations	Mudstone, sandstone, conglomerate, lignite: mudstone pale brown; contains lignite lenses; sandstone fine-grained to granule size; consists of quartz; poorly to moderately, rarely well sorted; conglomerate uncommon; detrital sediments poorly consolidated to uncommonly strongly cemented; lignite black to brownish black; commonly impure	Paleocene to Eocene

Ordered by Name

Code	Name	Description	Age	Code	Name	Description	Age
Dne	Easts Lookout Siltstone	Siltstone, sandstone, minor shale: siltstone dark green-grey to occasionally black; thinly bedded, shaley; minor black shale; sandstone pale grey; thin- to occasionally medium-bedded; very fine to medium-grained; well sorted; quartz-rich	Pragian to Emsian	Skrgr	Gariwerd Sandstone	Sandstone and siltstone: sandstone reddish yellow; quartzo-feldspathic, micaceous; planar and cross-laminated, thin to thick-bedded; pebbly and coarser grained in north.	Late Ordovician to Ludlow
Dne-S	Easts Lookout Siltstone-Wilson Creek Shale	Interbedded, thinly bedded, grey siltstone and black shale.	Pragian to Emsian	-Ctg	Garvey Gully Formation	Chert, volcanoclastic sandstone, mudstone, limestone. Base is a conglomerate with clasts of andesite, serpentinite, metadolerite, metagabbro, and minor rhyolite and shale.	Cambrian to Cambrian
Dxg	Eight Mile Loop Rhyolite	Rhyolite: grey to light brown; sparse quartz and feldspar phenocrysts in very fine-grained matrix; flow banded	Early Devonian to Early Devonian	G73	Gattamurh Granite	Granite: mafic I-type; magnetic	Wenlock to Early Devonian
Sje	Eildon Sandstone	Sandstone, siltstone: sandstone mid- to pale grey; thick to thin-bedded; medium to fine-grained; often poorly sorted; Tabc, Tbc and Tc turbidite beds often with strongly convolute lamination; siltstone mid- to dark grey; thin to thick-bedded; banded to bioturbated; rare black shale	Lochkovian to Pragian	Dskb	Gelantipy Ignimbrite	Quartz-feldspar ignimbrite: grey, green; pumice-rich	Lochkovian to Pragian
G55	Eleven Bob Granodiorite	Hornblende-biotite granodiorite: grey-green, medium-grained extremely weathered where exposed; northern margin is altered; I-type	Silurian to Devonian	Ntg	Gellibrand Marl	Marl, mudstone, sandstone, calcarenite, minor lignite, ligneous clay: marl blue-green and yellow; abundant carbonate nodules; contains shelly fossils and microfossils; lignite dark brown; contains spores and pollen	Miocene to Miocene
G37	Ellery Granite	Biotite-amphibole granite: coarse to medium grained, porphyritic	Early Devonian to Early Devonian	Nhg	Gellibrand Marl	Calcareous silty clay and clayey silt: minor fine to coarse grained shelly calcarenite beds, abundant bryozoans and molluscs, common echinoids, brachiopods, corals, crabs and shark teeth, locally abundant glauconite pellets; strongly burrowed, massive to moderately bedded; continental shelf deposit	Chattian to Miocene
G373	Elmhurst Granite	Biotite granite: pale grey; felsic; fine to medium grained	Early Devonian to Early Devonian	G7	Genoa Peak Granite	Biotite granite: pink; porphyritic with phenocrysts of orthoclase, plagioclase and quartz; accessory magnetite	Early Devonian to Early Devonian
G124	Emu Vale Tonalite	Hornblende-biotite tonalite: grey, altered to pink or green; medium-grained; porphyritic in wafer-thin hornblende which defines weak magmatic foliation	Early Devonian to Early Devonian	Swg	Gibbo River Formation	Siltstone, olive green-brown, laminated; calcareous siltstone; minor lenses of conglomerate, fine grained quartzitic sandstone and limestone.	Ludlow to Pridoli
G40	Enfield Granite	Hornblende-biotite granite: medium-grained; I-type	Wenlock to Wenlock	Seg	Gibsons Folly Formation	Siltstone, minor sandstone, lavas: sandstone of mixed volcanic and non-volcanic provenance; lavas from stratiform lenses of andesite to dacite.	Pridoli to Pridoli
G397	Epacris Hills Granite	Hornblende-biotite granite: pale pinkish grey; medium to coarse-grained; equigranular to porphyritic	Early Devonian to Early Devonian	Dski	Gillingall Ignimbrite	Feldspar ignimbrite: green or pink matrix with feldspar (up to 6 mm) and wispy pumice	Lochkovian to Pragian
G312	Ercildoun Granite	Biotite granite: medium grained; commonly porphyritic in quartz, plagioclase and K-feldspar; leucocratic; nonmagnetic reduced	Late Devonian to Late Devonian	Nsg	Gippsland Limestone	Calcarenite, marl	Miocene to Miocene
G296	Erindale Granite	Leucogranite: nonmagnetic; medium-grained, equigranular; consists of quartz, muscovite pseudomorphing biotite, sericite.	Late Devonian to Late Devonian	Dsed	Glen Shiel Ignimbrite	Quartz-feldspar ignimbrite with bimodal quartz and small feldspar phenocrysts	Pragian to Pragian
Koe	Eumeralla Formation	Sandstone, mudstone, mud-clast conglomerate, minor coal: blue-green to grey; arkose to feldsarenite; fine to medium grained, mostly medium to thick-bedded, cross-bedded	Early Cretaceous to Early Cretaceous	G287	Glenaroua Microgranite	Porphyritic biotite microgranite with phenocrysts of quartz, orthoclase, oligoclase and biotite in a fine grained groundmass of the same minerals; S-type.	Late Devonian to Late Devonian
G108	Eustace Creek Granodiorite	Hornblende granodiorite, quartz diorite: foliated, medium-grained	Early Devonian to Early Devonian	G448	Glendara Granite	Muscovite-biotite granite: massive, cream coloured, coarse grained, porphyritic with phenocrysts of alkali feldspar; accessory magnetite; rare mafic biotite-rich microgranitoid enclaves; magnetic to non-magnetic	Middle Cambrian to Early Ordovician
G11	Everard Granite	Biotite granite: I-type	Early Devonian to Early Devonian	-Cmg	Glenelg River Metamorphic Complex - biotite granite	Undifferentiated biotite granite: massive to foliated, medium to coarse grained, equigranular, commonly muscovite-bearing; non-magnetic	Middle Cambrian to Early Ordovician
G375	Eversley Granite	Biotite granodiorite: pale grey; medium grained; felsic; slightly porphyritic; outer biotite-rich parts are highly weathered	Early Devonian to Early Devonian	-Cmg	Glenelg River Metamorphic Complex - leucogranite	Leucogranite including garnet-bearing varieties and pegmatite	Middle Cambrian to Lancefieldian
G198	Everton Granodiorite	Hornblende-biotite granodiorite: fine-grained, pink K-feldspar phenocrysts, accessory magnetite, allanite, sphene, apatite, zircon and fluorite	Late Devonian to Late Devonian	-Cmg	Glenelg River Metamorphic Complex - migmatite	Layered to nebulitic gneiss (migmatite) with dark biotite-rich layers and pale granitic layers. Grades into various granite and pegmatite phases	Middle Cambrian to Late Cambrian
Dlf	Fainting Range Ignimbrite	Vitric ignimbrite: black; pumiceous; up to 10% feldspar and rare quartz phenocrysts	Early Devonian to Early Devonian	G446	Glengoyne Granite	Muscovite-garnet leucogranite: massive, white, fine to medium grained, porphyritic with microcline megacrysts and rare biotite; pegmatite, aplite and microgranite phases occur; non-magnetic	Middle Cambrian to Early Ordovician
-Csf	Fairview Andesitic Breccia	Andesitic breccia: massive; minor andesite and basalt lava	Cambrian to Cambrian	G372	Glenlogie Granodiorite	Hornblende-biotite granodiorite: mafic; speckled grey; medium to coarse grained; strongly kaolinised in places, with limonite and goethite staining	Early Devonian to Early Devonian
Dskk	Fairy Sandstone	Tuff, ignimbrite, sandstone, siltstone, breccia, conglomerate: generally thin-bedded; pyroclastic and fluvial deposits.	Pragian to Pragian	Nul	Glenmaggie Basalt	Basalt flows; alkali olivine basalt, olivine tholeiite and hawaiite, with alkali olivine basalt being the most abundant	Aquitanian to Aquitanian
G47	Feltis Farm Tonalite	Hornblende-biotite tonalite: grey-green; fine to medium-grained; altered; I-type	Silurian to Devonian	G253	Glennie Granite	Cordierite-biotite granite: coarse grained, subequigranular; S-type	Middle Devonian to Middle Devonian
Djf	Ferny Creek Rhyodacite	Biotite-hypersthene rhyodacite ignimbrite: recrystallized; chilled glassy base shows traces of eutaxic foliation parallel to the sediment band below; becomes increasingly crystalline and phenocryst-rich upwards.	Late Devonian to Late Devonian	G202	Glenrowan Granite	Biotite granite: fine grained, sugary, grey-brown; extensive hydrothermal alteration; I-type.	Late Devonian to Late Devonian
G423	Ferres Creek Tonalite	Biotite-hornblende tonalite: foliated, grey, medium to coarse grained, equigranular; accessory quartz, microcline, magnetite and epidote; some samples contain clinopyroxene; magnetic	Middle Cambrian to Early Ordovician	-Cng	Glenthompson Sandstone	Sandstone, mudstone, phyllite: fine to coarse-grained; detrital quartz, muscovite, biotite, lithic fragments, K-feldspar and plagioclase in fine-grained matrix (greywacke and sublitharenite); graded Tabc turbidites; anchizone to biotite zone metamorphism; deeply weathered	Early Cambrian to Late Cambrian
G23	Fiddlers Green Granodiorite	Biotite - minor hornblende granite: pale grey to pink, coarse grained, massive to mylonitic; prominent quartz grains; I-type	Early Devonian to Early Devonian	Srg	Goat Rocks Conglomerate	Conglomerate, sandstone: pebble to boulder conglomerate massive to crudely bedded; sorting moderate; generally well rounded; clasts of quartzite, sandstone, chert, gritstone, minor vein quartz; sandstone rare: well sorted with planar and cross-lamination.	Silurian to Devonian
G220	Flowerdale Granodiorite	Biotite-muscovite granodiorite: fine-grained, grey; consists of quartz, andesine-oligoclase, orthoclase, dark brown biotite, muscovite and ilmenite.	Late Devonian to Late Devonian	G196	Golden Ball Granite	Leucocratic biotite granite: medium grained; accesory muscovite, fluorite, topaz, ilmenite and zircon; I-type	Late Devonian to Late Devonian
Dsod	Fluke Knob Ignimbrite	Quartz ignimbrite: crystal-rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation; roundstone conglomerate, pebbly sandstone, sandstone; fluvial and pyroclastic deposits	Lochkovian to Pragian	-Cxg	Goldie Chert	Chert, siliceous siltstone, shale: black to pale-coloured; thin-bedded; pyritic in places; with rough stylolitic bedding planes	Late Cambrian to Late Cambrian
G122	Forlorn Hope Granite	Granite: grey, fine to medium-grained; rare diorite. Contains leucogranite zones along northwestern margin and abundant aplite dykes in some places	Llandovery to Wenlock	Oxg	Gooandra Volcanics	Basaltic to andesitic lava and breccia, pillow lava; minor rhyolite, volcanoclastic siltstone and shale; ophitic gabbro; greenschist facies metamorphism; cleavage and schistosity well developed.	Darriwilian to Gisbornian
Dskr	Frying Pan Creek Ignimbrite	Feldspar ignimbrite with pink vitric matrix, minor quartz phenocrysts	Lochkovian to Pragian	-Crg	Good Morning Bill Schist	Quartz-muscovite-biotite (+/-garnet+/-K-feldspar+/-staurolite)schist:coarsely schistose; transposition and mylonitic fabrics and folds ubiquitous; coarsely layered, with quartz and mica domains; occasional thicker psammitic layers from Warrak Formation precursor? nonmagnetic	Middle Cambrian to Late Cambrian
Nuf	Fumina Basalt	Basalt flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, minor nepheline basalt, basanite and nepheline hawaiite.	Burdigalian to Burdigalian	G50	Goongerah Granodiorite	Hornblende-biotite granodiorite: medium to coarse grained, bluish grey; contains abundant dark enclaves; I-type	Llandovery to Wenlock
G1	Gabo Island Granite	Biotite-hornblende granite: medium to fine grained; pink; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingite variety; A-type	Late Devonian to Late Devonian	G34	Goonmirk Rocks Granodiorite	Hornblende granodiorite: medium grained, moderately foliated; I-type	Early Devonian to Early Devonian
Jxg	Gallows Hill Phonolite	Phonolite	Jurassic to Early Cretaceous	Dsbf	Gordon Creek Ignimbrite	Quartz ignimbrite: red to purple with large quartz, small feldspar phenocrysts	Pragian to Pragian

Ordered by Name

Code	Name	Description	Age
Sk	Grampians Group	Sandstone: quartz-rich to micaceous or feldspathic; sparse vein quartz pebbles either scattered or in lags; cross-bedded; variable bed thickness; locally abundant trace fossils-mostly burrows and invertebrate trackways in sandstone: rare body fossils in mudstone units; minor polymictic conglomerate and quartzose to micaceous mudstone	Late Ordovician to Early Devonian
G557	Grand View Syenite	Biotite-hornblende syenite: mid to dark grey, coarse-grained, with orthoclase phenocrysts	Triassic to Triassic
Nxg	Grange Burn Formation	Shell beds, shelly marl, sandy limestone, calcareous sand.	Messinian to Zanclean
Qc4	granite-derived colluvium	Quartz and feldspar sand: well sorted, fine to medium grained; derived from granite	Pleistocene to Holocene
Dmg	granodiorite porphyry	Granodiorite porphyry: dark grey; fine-grained with phenocrysts of quartz, feldspar, biotite	Middle Devonian to Middle Devonian
G103	Granya Granite	Granite: coarse grained, leucocratic; contains quartz, K-feldspar, plagioclase, biotite, muscovite and accessory apatite, zircon, tourmaline and sillimanite; abundant enclaves; S-type	Llandovery to Wenlock
G532	Grass Flat Granite	Biotite granite containing cordierite; S-type; includes mafic phases that may be distinct intrusions.	Llandovery to Pridoli
G529	Green Hills Granodiorite	Biotite granodiorite and granite: grey, medium to coarse grained, commonly containing cordierite; common metasedimentary xenoliths	Llandovery to Pridoli
Nug	Greensborough Basalt	Basalt: blue-grey; phenocrysts of olivine in groundmass of titanaugite, labradorite laths, pyroxene, iron oxide, interstitial glass; olivine partly altered to serpentine.	Aquitanian to Aquitanian
G86	Greggs Granodiorite	Muscovite-biotite granite: grey; medium to coarse grained; with tourmaline, cordierite, garnet, sillimanite; foliated	Llandovery to Wenlock
G339	Grieves Granite	Biotite hornblende granite: medium grained; I-type; nonmagnetic.	Early Devonian to Early Devonian
G447	Gringegalgona Granite	Muscovite granite: massive to foliated, white, medium to coarse grained, porphyritic with phenocrysts of microcline and muscovite; schist and migmatite enclaves locally abundant; foliation is schlieric and accompanied by aligned microcline phenocrysts; non-magnetic	Middle Cambrian to Early Ordovician
G572	Guys Forest Granodiorite - hornblende granodiorite phase	Hornblende granodiorite: pale grey, medium grained; few enclaves; I-type; intensely magnetic	Lochkovian to Emsian
G572	Guys Forest Granodiorite biotite granodiorite phase	Biotite granodiorite: grey, medium grained, mostly foliated; I-type; non-magnetic	Lochkovian to Pragian
G148	Hallets Road Tonalite	Biotite tonalite: grey; medium-grained equigranular; massive to weakly foliated; rare small microgranitoid enclaves; local intense chlorite-hematite alteration	Early Devonian to Early Devonian
G583	Halls Paddock Diorite	Hornblende diorite: dark grey to green, coarse, equigranular to strongly porphyritic; intensely magnetic	Early Devonian to Early Devonian
-Cjh	Handford Creek Formation	Sandstone, shale, conglomerate: volcanogenic; marine	Cambrian to Cambrian
G290	Harcourt Granodiorite	Biotite granodiorite: medium grained, pale grey; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; numerous enclaves; nonmagnetic; reduced; I-type	Late Devonian to Late Devonian
-Cjw	Hardwicke Creek Rhyolite	Rhyolite lava, breccia, volcanoclastic sediments; marine	Cambrian to Cambrian
G578	Harringtons Tonalite	Hornblende tonalite: mid to dark grey, medium grained; strongly foliated; contains several large hornfels rafts; I-type; nonmagnetic	Wenlock to Pridoli
G407	Harrow Granodiorite	Biotite-muscovite granite: foliated to massive, grey, medium grained, porphyritic with phenocrysts of plagioclase; accessory sillimanite; rare schlieren; nonmagnetic	Middle Cambrian to Early Ordovician
G409	Hassall Creek Granodiorite	Biotite-hornblende granodiorite: massive, grey, medium to coarse grained, equigranular; accessory magnetite and sphene; rare mafic microgranitoid enclaves. Includes minor quartz diorite: fine to medium grained, equigranular dominated by hornblende, plagioclase and biotite, with minor quartz, clinopyroxene, alkali feldspar and chalcopyrite; magnetic	Lancefieldian to Lancefieldian
Nlh	Haunted Hills Formation	Sand, silt, gravel: various shades of brown, yellow, red, white; variably sorted; variably rounded; crudely to well-bedded; commonly strongly oxidised with ironstone near the top and also within the formation	Pliocene to Pleistocene
-Ch	Heathcote Volcanic Group	Mafic to minor felsic igneous rocks, sandstone, mudstone, chert	Early Cambrian to Cambrian
G333	Hemleys Granite	Biotite-muscovite granite: coarse grained; I-type	Early Devonian to Middle Devonian
G580	Hermit Granite - highly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; highly magnetic	Wenlock to Pridoli
G580	Hermit Granite - weakly magnetic phase	Biotite granite: grey, medium to coarse grained, foliated quartz-phyric; strong to moderate porphyritic texture, slightly stretched quartz phenocrysts to 10 mm; I-type; weakly magnetic	Wenlock to Pridoli
Dmh	Hesket Ignimbrite	Rhyolite ignimbrite: red to dark grey; fine-grained; vitric-rich; with garnet phenocrysts; densely welded to rheomorphic.	Late Devonian to Late Devonian
Nh	Heytesbury Group	Calcareneite, marl, silt	Oligocene to Miocene
G384	Hickman Creek Granite	Biotite granite: felsic; pink to pale grey; coarse and even grained; small pegmatitic patches	Early Devonian to Early Devonian
G189	High Tops Tonalite	Biotite tonalite: pale cream; medium-grained, equigranular; weak magmatic alignment of biotite; magnetic.	Early Devonian to Early Devonian
Code	Name	Description	Age
Dawh	Highton Volcanics	Consists of three units. 1: lava unit: lenticular unit of andesite lava, flow breccia and andesitic volcanoclastics. 2: clastic unit: <20 m of volcanolithic conglomerate and sandstone. 3: ignimbrite unit: <120 m welded garnet-bearing rhyolitic ignimbrite with prominent fiamme.	Late Devonian to Late Devonian
G80	Hinno Munjie Granite	Biotite granite: grey to pink, medium-grained; foliated; composition variable; numerous metasedimentary enclaves	Llandovery to Wenlock
G69	Hobbs Granite	Hornblende granite: fine to medium grained; grey; I-type	Llandovery to Wenlock
Dth	Hollands Creek Rhyodacite	Rhyolitic to rhyodacitic quartz ignimbrite, rich in large phenocrysts and moderately to densely welded.	Late Devonian to Late Devonian
Dskv	Holloways Formation	Volcanoclastic sandstone, mudstone, conglomerate: thin to thick bedded, pumiceous, commonly with open framework; marine mass-flow deposits	Pragian to Pragian
G518	Holstons Tonalite	Biotite-hornblende tonalite; grey, medium to coarse-grained, massive to moderately foliated	Early Devonian to Early Devonian
G462	Horsehair Creek Tonalite	Biotite-hornblende tonalite: fine to medium-grained, foliated; contains quartz, plagioclase, biotite, hornblende; weak magmatic foliation due to aligned biotite, hornblende and plagioclase.	Silurian to Early Devonian
Dsoc	Hospital Creek Sandstone	Sandstone: crystal rich, thick-bedded and graded, mudstone, pebbly mudstone; volcanolithic conglomerate; marine turbidite deposits	Pragian to Pragian
G2	Howe Range Granite	Biotite-hornblende granite: medium to fine grained; accessory allanite, magnetite, fayalite, stilpnomelane and fluorite; hornblende is hastingsite; A-type	Late Devonian to Late Devonian
Dawo	Howitt Spur Formation	Sandstone and siltstone: sandstone unit: <150 m of upward fining pebble/cobble conglomerate, sandstone, minor mudstone; siltstone unit: ~400 m of brown siltstone and thin sandstone; rhyodacite unit <50m thick near top.	Late Devonian to Late Devonian
Oah	Howqua Chert	Black chert, siliceous shale, mafic sandstone, pebbly sandstone and chert conglomerate.	Late Cambrian to Lancefieldian
Dxh	Humevale Siltstone	Siltstone: brown, laminated; minor very fine- to fine-grained sandstone laminae and thin beds towards the top of the formation; distal shelf and hemipelagic deposits.	Llandovery to Early Devonian
-Cxxh	Hummocks Serpentinite	Serpentinite: massive, dark green, cumulate texture locally preserved; talc schist; massive chlorite-magnetite rock. Relic pyroxene indicated by exsolution lamellae defined by magnetite granules	Precambrian to Middle Cambrian
Jch	Hypatia Formation	Flows and plugs of olivine basalt, nephelinite, hawaiite, basanite, mugearite, ankaramite, picrobasalt. Flows are black, vesicular, fine-grained with common small phenocrysts of olivine and pyroxene. Plugs are strongly porphyritic in olivine and pyroxene.	Jurassic to Jurassic
G305	Illoura Granodiorite	Coarse grained equigranular hornblende biotite granodiorite and porphyritic biotite granite with phenocrysts of K-feldspar, plagioclase and quartz; pale pinkish grey; mafic clots and enclaves abundant in the granodiorite.	Late Devonian to Late Devonian
Na	incised alluvium	Gravel, sand, silt, minor ferricrete; variably incised.	Pliocene to Pleistocene
Nc1	incised colluvium	Silt, sand, gravel: generally poorly sorted and poorly rounded except within channels cut into colluvial material; dissected to variable degrees	Pliocene to Holocene
G279	Ingliston Granite	Biotite granite: grey; medium to coarse-grained; dykes of quartz porphyry and feldspar porphyry	Late Devonian to Late Devonian
Qd1	inland dune deposits	Sand, silt, clay: friable to consolidated; well sorted; includes both lunette deposits and deposits of longitudinal dunes	Quaternary to Quaternary
G27	Ino Creek Granodiorite	Biotite-muscovite granodiorite: brownish grey, coarse grained, massive; prominent quartz; includes pods of fine-grained leucocratic muscovite granite and pegmatite	Llandovery to Wenlock
Dk	intrusive breccia	Breccia: angular schist and hornfels fragments aligned in a matrix of quartz, fractured schist and granodiorite	Early Devonian to Early Devonian
G54	Iona Tonalite	Tonalite: medium to fine grained, pale green to pink; moderately foliated	Llandovery to Wenlock
Ntj	Jan Juc Formation	Marl, clay, silt: glauconitic	Oligocene to Oligocene
Nxj	Japan Creek Gravel	Gravel, sand: moderately to well sorted and poorly to moderately consolidated	Pliocene to Pleistocene
G45	Jarrahmond Granite	Hornblende-biotite granodiorite: grey-green, medium-grained with some elongate mafic enclaves; I-type	Silurian to Devonian
G334	Jeffcott Granite	Leucocratic garnet-muscovite granite: medium to coarse grained	Early Devonian to Middle Devonian
Dsks	Jellung Ignimbrite	Feldspar ignimbrite: sparse small quartz phenocrysts, commonly with well developed eutaxitic foliation, variably welded; pyroclastic deposits	Early Devonian to Early Devonian
Doj	Jemba Ignimbrite	Ignimbrite: dark bluish grey to pinkish grey, crystal rich, mostly recrystallised; sparse small lithic fragments; highly magnetic	Early Devonian to Middle Devonian
G548	Jim and Jack Tonalite	Biotite tonalite and minor leucogranite: grey; equigranular; weakly to moderately foliated; magnetic phase coarse-grained with numerous fine to medium-grained microgranitoid enclaves; non-magnetic phase medium-grained; I-type; intruded by leucogranitic porphyry and aplite dykes.	Early Devonian to Early Devonian
G97	Jingellic Tonalite	Hornblende tonalite: medium to dark grey, medium grained; equigranular; foliated; S-type; nonmagnetic; occurs as small pods within Corryong Granite	Middle Ordovician to Middle Ordovician
G461	Jirnkee Granite	Muscovite leucogranite: coarse-grained; pale grey; homogeneous; consists of perthitic microcline, quartz, plagioclase, muscovite.	Silurian to Devonian

Ordered by Name

Code	Name	Description	Age	Code	Name	Description	Age
Dsbd	Johnson Mudstone	Volcanogenic mudstone, sandstone, conglomerate, pumiceous vitric sandstone: includes various styles of Bouma sequences; basalt lava; marine turbidites with rare lava pods	Lochkovian to Pragian	G428	Kooreelah Gabbro-Diorite	Quartz diorite to quartz monzodiorite: massive, dark grey-brown, medium-grained, equigranular containing plagioclase, biotite, clinopyroxene, orthopyroxene and magnetite; magnetic	Middle Cambrian to Early Ordovician
Sj	Jordan River Group	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich, siltstone commonly bioturbated; marine	Silurian to Devonian	G357	Kooreh Granite	Granite: non-magnetic; deeply weathered	Early Devonian to Early Devonian
G464	Junction Plain Tonalite	Hornblende-biotite tonalite: medium-grained, with magmatic foliation; contains quartz, plagioclase (some with calcic cores), biotite, hornblende.	Silurian to Early Devonian	G347	Kooyoora Granite - aplitic phase	Aplite	Early Devonian to Early Devonian
G51	Jungle Creek Granodiorite	Biotite granodiorite: coarse grained, pale to greenish grey; I-type	Llandovery to Wenlock	G347	Kooyoora Granite	Biotite-hornblende-muscovite granite: mostly evenly coarse grained, locally porphyritic; mafic enclaves; pegmatite and aplite dykes; nonmagnetic	Early Devonian to Early Devonian
G449	Kadnook Creek Granodiorite	Biotite-muscovite granodiorite: massive, medium grained; accessory magnetite; strongly weathered; magnetic	Middle Cambrian to Early Ordovician	G322	Korong Creek Tonalite	Hornblende tonalite: porphyritic in plagioclase; magnetic	Early Devonian to Early Devonian
G516	Kaerwut Tonalite	Biotite tonalite: medium-grained equigranular with porphyritic marginal phase; I-type	Wenlock to Wenlock	G410	Kout Norien Granodiorite	Biotite-muscovite granodiorite: foliated, medium grained, porphyritic with phenocrysts of plagioclase and microcline; accessory sillimanite; common enclaves of schist and migmatite; foliation is defined by biotite-rich schlieren; non-magnetic	Middle Cambrian to Early Ordovician
Djk	Kalorama Rhyodacite	Garnet-bearing rhyodacite ignimbrite: recrystallized; siltstone; lacustrine; lenticulite at base overlain by recrystallised dark vitric-rich ignimbrite with large phenocrysts of quartz, feldspar, occasional almandine garnet, which is overlain by thin band of volcanogenic lacustrine sediments.	Late Devonian to Late Devonian	Suc	Kuark Metamorphic Complex - cordierite-andalusite zone	Schist and phyllite containing porphyroblasts of andalusite and/or cordierite in schistose matrix of mica and quartz; bedding is rarely seen; most cordierite is replaced by fine aggregates of muscovite, biotite and chlorite.	Llandovery to Wenlock
Skrk	Kalymna Falls Sandstone	Sandstone: reddish yellow, quartzose to quartzo-feldspathic; fine to medium-grained with occasional pebble lags of subrounded vein quartz; variably laminated; medium to thick-bedded; coarser in the north where it forms prominent outcrops; abundant thin beds of laminated purple siltstone, especially in the south	Late Ordovician to Ludlow	Suk	Kuark Metamorphic Complex - K-feldspar-sillimanite zone	Schist, gneiss and minor migmatite containing biotite, sillimanite, K-feldspar, quartz, cordierite, plagioclase.	Llandovery to Wenlock
Dsna	Kanni Ignimbrite	Feldspar ignimbrite: crystal rich, small pumice fragments, not welded, green-grey; pyroclastic deposits	Pragian to Pragian	G321	Lake Boga Granite	Alkali-feldspar muscovite-biotite granite, aplite and pegmatite; non-magnetic; fractionated; porphyritic, S-type; abundant miarolitic cavities and muscovite and tourmaline segregations: accessory minerals include apatite, zircon, monazite-series minerals, primary uranium+REE-bearing phosphates and oxides and primary copper sulfides. Miarolitic cavities are lined with quartz, microcline and albite.	Early Devonian to Late Devonian
G252	Kanowna Island Granite	Granite, S-type	Middle Devonian to Middle Devonian	QI2	lake deposits	Carbonaceous clay and silt, fine to coarse grained sand, gravel; poorly sorted, unconsolidated: lake floor and lake beach deposits.	Pliocene to Holocene
G36	Kanuka Granodiorite	Biotite granodiorite and granite: medium-grained; foliated to strongly rodded with compositional banding; I-type	Llandovery to Wenlock	Dycl	Lake Mountain Rhyodacite	Rhyolite to rhyodacite: uniform, porphyritic with abundant phenocrysts of quartz, plagioclase and biotite, minor enstatite, almandine, rare orthoclase, very rare cordierite in fine groundmass; rare pumiceous ignimbrite occurs at the base. Lithic fragments of underlying rock occur at all levels.	Late Devonian to Late Devonian
-Puk	Karoonda Park Volcanic Group	Basalt flows with minor plugs, sills and dykes: olivine tholeiitic basalt and quartz tholeiitic basalt, with olivine phenocrysts.	Lutetian to Rupelian	-Cjl	Lakelands Flat Andesite Breccia	Andesite breccia, polymictic; minor clinopyroxene-phyric andesite lava; marine	Cambrian to Cambrian
G417	Kassingbrook Granodiorite	Muscovite-biotite granodiorite: massive, light grey-buff, medium to coarse grained, porphyritic with microcline phenocrysts; common mafic biotite-rich microgranitoid enclaves; local migmatite enclaves and schlieric layering; non-magnetic	Middle Cambrian to Early Ordovician	-Csl	Lalkaldarno Porphyry	Porphyritic hornblende tonalite with phenocrysts of plagioclase, quartz, hornblende and augite in a fine grained quartzo-feldpathic mosaic; high-level intrusion	Middle Cambrian to Middle Cambrian
G570	Keelangie Creek Granodiorite	Hornblende granodiorite: pale grey, medium to coarse grained equigranular; I-type; nonmagnetic; weathered; minor pale green amphibole, chlorite, sphene and opaques.	Ludlow to Ludlow	G376	Langi Ghiran Granite	Biotite granite: highly fractionated; light grey; medium grained; equigranular	Early Devonian to Early Devonian
G230	Kelfeera Granite	Biotite granite: medium grained slightly porphyritic	Late Devonian to Late Devonian	Ocrl	Lano Gully Sandstone	Sandstone, siltstone: sandstone mostly thick-bedded; Tabc and Tbc sequences; minor siltstone; grey; unfossiliferous	Late Cambrian to Lancefieldian
G201	Kelly Gap Granite	Biotite granite: fine to medium grained, mid grey; fractionated; porphyritic; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian	Ddl	Larsen Creek Ignimbrite	Rhyolitic ignimbrite, tuff: feldspar ignimbrite, variable phenocryst content and quartz/feldspar ratio, densely welded groundmass, often pumiceous with well developed eutaxitic foliation; in places with abundant fragments of Wallaby Granite, biotite schist and Bendoc Group rocks	Early Devonian to Early Devonian
G129	Kenny Creek Diorite	Hornblende diorite: medium-grained, leucocratic fine-grained granodiorite in southern portion; I-type intrusive	Llandovery to Wenlock	-Pv	Latrobe Valley Group	Clastic sedimentary rocks: nonmarine to paralic clastics, marine clastics.	Eocene to Miocene
G507	Kent Road Granite	Biotite-muscovite granodiorite: medium-grained; foliated; S-type	Llandovery to Wenlock	Sjl	Lazarini Siltstone	Dark grey to green-grey siltstone with bedding in the form of colour banding; abundant dark bioturbation blebs; lowest portion contains interbedded quartz sandstone beds.	Bolindian to Rhuddanian
G225	Keppel Creek Granodiorite	Microgranodiorite: medium to fine grained; saccharoidal, porphyritic	Late Devonian to Late Devonian	-Chl	Lazy Bar Andesite	Andesite: fine- to medium-grained, non-vesicular, porphyritic; minor hyaloclastite breccia, andesitic volcanic sandstone, ash with possible pumice; marine to sub-aerial deposit.	Cambrian to Cambrian
G180	Kergunyah Granite	Leucocratic two-mica granite: coarse grained; S-type	Early Devonian to Early Devonian	-Cal	Leviathan Formation	Fine- to medium-grained turbiditic, deep marine sandstone, with minor interbedded siltstone and shale; pervasively muscovite altered.	Early Cambrian to Early Cambrian
Dadk	Kevington Creek Formation	Mudstone, minor sandstone, occasional conglomerate: mudstone red; sandstone thick-bedded, trough- and tabular cross-bedded; quartz-lithic, micaceous; conglomerates form bases of upward-fining sequences.	Late Devonian to Late Devonian	-Crl	Lexington Schist	Quartz-biotite-muscovite-plagioclase (+/-actinolite+/-cordierite+/-andalusite) schist: banded schist with alternating quartz and pelite layers of transposed bedding; low to moderately magnetic	Late Cambrian to Late Cambrian
Ok	Kiandra Group	Basalt lava, agglomerate, sandstone, chert, black cherty slate	Gisbornian to Gisbornian	G370	Lexton Granodiorite	Hornblende-biotite granodiorite: pale grey to pink, medium grained; with accessory magnetite; fractionated, pale cream, fine grained, foliated phase forms Granite Hill	Early Devonian to Early Devonian
G206	Killawarra Granite	Biotite granite: medium grained, pale grey; S-type.	Late Devonian to Late Devonian	G256	Lilly Pilly Granite	Granite: red-brown biotite is ubiquitous and garnet is prominent in some rocks; S-type	Middle Devonian to Middle Devonian
Nurk	Killeen Basalt	Mottled grey basanite with partially altered olivine crystals to 3 mm in a very fine-grained groundmass consisting of clinopyroxene, plagioclase, olivine and opaque minerals.	Miocene to Miocene	Dxe	Lilydale Limestone	Limestone: variably dolomitised, well bedded, pale grey and orange-pink; fossiliferous.	Early Devonian to Early Devonian
G79	Kimberly Park Granite	Granodiorite: medium-grained, grey, foliated; contains large metasedimentary enclaves	Llandovery to Wenlock	Dxl	Liptrap Formation	Thin-bedded quartz-rich sandstone and siltstone with minor sandstone and gritstone, and rare diamictite which contains chert and limestone pebbles.	Lochkovian to Pragian
G219	King Parrot Creek Granodiorite	Biotite granodiorite: grey, medium grained, equigranular to porphyritic with K-feldspar phenocrysts 5 - 20 mm across; rare small biotite-rich enclaves; S-type	Late Devonian to Late Devonian	Dsk	Little River Subgroup	Felsic ignimbrite, felsic to mafic lava, ashstone, conglomerate, sandstone, mudstone, chert	Pragian to Pragian
Srk	Kirribilly Siltstone	hornfels	Late Devonian to Late Devonian	G145	Livingstone Creek Tonalite	Biotite tonalite: grey; medium-grained equigranular; weakly foliated; zones of chlorite-epidote alteration	Early Devonian to Early Devonian
-Cxx	Knowsley East Shale	Shale, mudstone, sandstone, conglomerate, slump deposits: black shale and black mudstone predominant, thinly bedded; chert minor, laminated to thickly bedded; sandstone thin to thick-bedded, turbiditic, derived from mafic igneous rocks; conglomerates monomictic with chert breccia or polymictic; shale sparsely fossiliferous with trilobites, phosphatic brachiopods and hydroids	Middle Cambrian to Late Cambrian	Kstl	Locmany Formation	Sandstone, siltstone, minor conglomerate, coal: sandstones are quartzarenite, sublitharenite, litharenite, very rare lithic arkose and feldsarenite; very fine to medium-grained; generally thick-bedded; cross-bedded; siltstone pale grey to brown, thin-bedded; or dark grey to black, thick-bedded; contains rich fossil flora	Valanginian to Hauterivian
G101	Koetong Granite	Two-mica cordierite granite: bluish grey, coarse grained biotite muscovite granite; mostly equigranular but centre is porphyritic and parts of margins are fine grained; locally abundant metasedimentary enclaves; S-type; nonmagnetic	Ludlow to Lochkovian	G419	Loftus Creek Granodiorite	Hornblende-biotite granodiorite: massive, grey, medium to coarse grained, porphyritic with phenocrysts of biotite and alkali feldspar; accessory magnetite and sphene; uncommon microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician
G426	Koolomurt Granodiorite	Biotite granodiorite: massive, greenish-grey, medium to coarse grained, equigranular; accessory magnetite, sphene and allanite; sporadic mafic biotite-hornblende-rich mafic microgranitoid enclaves; magnetic	Late Cambrian to Early Ordovician	Dsgg	Lookout Top Ignimbrite	Quartz-feldspar ignimbrite with large quartz and orange feldspar phenocrysts, red pumice fragments	Pragian to Pragian
Sbk	Koomberar Formation	Sandstone, conglomerate: sandstone thick to thin-bedded, sandstone and conglomerate both volcanolithic with mafic and lesser rhyolitic rock fragments; minor mudstone; possible rhyolite lava	Silurian to Silurian				

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Code	Name	Description	Age	Code	Name	Description	Age
G20	Loomat Granite	Biotite granite: pale pinkish grey, very coarse grained, massive to weakly foliated; prominent K-feldspar crystals to 40 mm long; I-type	Llandovery to Early Devonian	G404	Merrymbuela Gabbro	Gabbro: dark, coarse grained porphyritic (6mm); with plagioclase and orthopyroxene phenocrysts; accessory clinopyroxene, K-feldspar, quartz, biotite and hornblende	Early Devonian to Early Devonian
Sy1	lower sandstone unit	Sandstone; quartzose; medium to very coarse grained; massive to bedded; siltstone; green-grey; thick-bedded.	Llandovery to Llandovery	G291	Metcalfe Granite	Biotite granite: pale grey, medium to coarse grained; commonly strongly porphyritic in K-feldspar; numerous metasedimentary enclaves and leucocratic dykes; nonmagnetic	Late Devonian to Late Devonian
G116	Lower Tableland Granite	Biotite-cordierite felsic granite: fine to medium-grained	Early Devonian to Early Devonian	Sy2	middle siltstone unit	Siltstone: green-grey, thick bedded, laminated to massive; minor quartzitic sandstone; deep-marine deposits.	Llandovery to Llandovery
Nwl	Loxton Sand	Quartz sandstone; well sorted, fine to medium grained; well bedded; abundant lag horizons containing shelly fossils, pebble beds, rounded ironstone fragments; some heavy mineral concentrations; dissected or remobilised strand lines	Messinian to Zanclean	Dskn	Milky Creek Ignimbrite	Vitric ignimbrite with green pumice and red to pink lithic clasts	Lochkovian to Pragian
G575	Lucyvale Granite	Biotite leucogranite: deep pink, variably fine to coarse grained; contains greenish brown biotite pervasively altered; highly magnetic	Early Devonian to Middle Devonian	Dhm	Minchin Ignimbrite	Vitric ignimbrite, small quartz and feldspar phenocrysts in green-grey or red fine matrix; lithic clasts include ignimbrite, glassy lava, sediment from Yalmy Group.	Early Devonian to Early Devonian
G82	Ludrik Munjie Granite	Biotite-muscovite granite: dark to light grey; medium to coarse-grained; well foliated; high compositional variability: numerous metasedimentary enclaves; generally weathered	Llandovery to Wenlock	G186	Mirimbah Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian
Ql	lunette and lake deposits	Clay, silt, sand; unconsolidated: lake floor and lunette deposits	Pleistocene to Holocene	G402	Mirranatwa Granite	Hornblende granite: pink; often granophyric; medium to coarse-grained, equigranular to porphyritic, soda-rich; oxidised; small stocks	Early Devonian to Early Devonian
Q11	lunette deposits	Clay, clayey silt, silty clay, clay pellet aggregates, gypseous clay pellets, gypsite, minor fine grained sand, interlayered calcareous and gypseous palaeosols; well to moderately sorted, unconsolidated: clay lunettes.	Pleistocene to Holocene	Sxt	Mitta Mitta Rhyolite	Rhyolite lava: pale grey, massive to autobrecciated; minor intercalated, reworked rhyolitic pyroclastics	Ludlow to Pridoli
G200	Lurg Granite	Fractionated granite; fine to medium grained porphyritic phases and coarse-grained phases; contains miarolitic cavities and areas of granophyre; S-type.	Late Devonian to Late Devonian	G552	Mole Hill Syenite	Hornblende-biotite-pyroxene syenite: grey to pale orange, medium to coarse grained, equigranular	Triassic to Triassic
G241	Lysterfield Granodiorite	Biotite-hornblende granodiorite: grey, medium grained, containing quartz, plagioclase, orthoclase, biotite, minor hornblende, accessory apatite, ilmenite, allanite, sphene, tourmaline and zircon	Late Devonian to Late Devonian	G350	Moliagul Granodiorite	Granodiorite: slightly porphyritic, felsic, minor biotite, molybdenite-bearing quartz veins	Early Devonian to Early Devonian
G85	Mac Creek Granodiorite	Muscovite granite: grey; medium-grained; foliated; deeply weathered; margins rich in metasedimentary enclaves	Llandovery to Wenlock	Qxm	Molineaux Sand	Aeolian dune sand, fine to medium grained; quartz-rich and clay-poor.	Pleistocene to Holocene
G551	MacFarlane Syenite	Hornblende-biotite syenite: grey, coarse, equigranular; augite and aegirine present; local alkali granite with arfvedsonite	Triassic to Triassic	G514	Mollys Plain Granite	Felsic biotite granite: medium-grained, with graphic intergrowth of quartz and perthitic K-feldspar; I-type	Middle Devonian to Middle Devonian
Dha	Mackieson Spur Tuff	Vitric ignimbrite with wispy attenuated pumice fragments, ash and fine sandstone	Early Devonian to Early Devonian	Nuo	Monbulk Volcanic Group	Basaltic lava flows: basanite, olivine tholeiite, hawaiite	Miocene to Miocene
G396	Mafeking Granodiorite	Hornblende-biotite granodiorite: pale grey; medium-grained, equigranular to porphyritic; bipyramidal quartz; rare mafic enclaves and patchy deuteric alteration; deeply weathered to fresh; oxidised; highly magnetic	Early Devonian to Early Devonian	Dnm	Montys Hut Formation	Predominantly siltstone, sometimes interbedded with sandstone, mostly thin-bedded with planar and laterally continuous beds.Siltstone: dark green-grey to occasionally black; thinly bedded, shaly; occasionally with flat burrows. Sandstone: pale grey; thin- to minor medium-, rarely thick-bedded; very fine to medium-grained; well sorted; quartz-rich	Emsian to Emsian
-Cxd	Magdala Volcanics	Mafic volcanic rocks, predominantly basalt, metamorphosed to upper greenschist or amphibolite facies: moderately magnetic	Cambrian to Cambrian	-Pwm	Moomowroong Sand	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel; marginal marine and beach deposits	Late Cretaceous to Paleocene
Skra	Major Mitchell Sandstone	Quartz sandstone: reddish-yellow, medium to coarse-grained, somewhat micaceous or feldspathic; laminated, cross-laminated and trough cross-laminated; medium to thickly bedded; abundant Skolithos trace fossils; occasional metre-scale low-angle burrows; pebbly lag horizons of sub-rounded vein quartz below Mount William; forms prominent outcrops; thin interbeds of micaceous siltstone.	Late Ordovician to Ludlow	Dsoo	Moonkan Ignimbrite	Quartz ignimbrite: red to purple, with large quartz and small feldspar phenocrysts	Lochkovian to Pragian
-Cim	Malcolm Creek Hyaloclastite	Boninitic hyaloclastite with occasional beds of pebbly grit and volcanoclastic sandstone	Cambrian to Cambrian	Skmm	Moora Moora Sandstone	Quartz sandstone: pale; fine to coarse-grained with minor feldspar; planar and cross-laminated, thin to medium-bedded; mud rip-up clasts; Skolithos horizons and ripple surfaces; poorly outcropping; sparse micaceous mudstone	Ludlow to Pridoli
G400	Mammoth Porphyry	Quartz-feldspar porphyry: phenocrysts of quartz, plagioclase and lesser alkali feldspar in a very fine groundmass that is altered to sericite, carbonate and clay; abundant pyrite; dyke margins have breccia with sulphide mineralisation	Pragian to Eifelian	G442	Mooree Granodiorite	Muscovite-biotite granodiorite: massive to weakly foliated, palegrey-buff, medium grained equigranular to weakly alkali feldspar-phyrlic; accessory magnetite and epidote; uncommon biotite-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician
G120	Marengo Granodiorite	Hornblende-biotite granodiorite: I-type; medium to coarse grained, weakly porphyritic; light grey to light green; with abundant mafic enclaves	Llandovery to Pridoli	Dskt	Moores Ford Andesite	Andesite, trachyte and basalt lava flows: massive grey to dark green-black porphyritic andesite lava is most common. Basalt lavas are grey and have olivine, generally show elongate silica-filled amygdaloids; minor ash and pyroclastic deposits	Pragian to Pragian
G411	Marn Mering Granodiorite	Muscovite-biotite leucogranodiorite: massive to weakly foliated, light grey, medium to coarse grained, weakly microcline-phyrlic; accessory garnet in western part of pluton; non-magnetic	Middle Cambrian to Early Ordovician	G215	Moorgag Granite	Biotite granite, porphyritic with K-feldspar phenocrysts in a fine to medium grained groundmass of quartz, orthoclase, plagioclase, biotite and rare muscovite.	Late Devonian to Late Devonian
G547	Marthavale Tonalite	Biotite-hornblende granodiorite, tonalite, quartz diorite: concentrically zoned with variable composition ranging from granodiorite and tonalite to hornblende-bearing quartz diorite; equigranular, fine to medium grained; concentric magnetic zones	Early Devonian to Early Devonian	G275	Morang Granodiorite	Biotite granodiorite with rare hornblende: equigranular with a coarse porphyritic marginal phase	Late Devonian to Late Devonian
Num	Maude Basalt	Alkali olivine basalt: dark grey-green; phenocrysts of olivine; commonly deeply weathered	Aquitanian to Aquitanian	Nuc	Morass Creek Basalt	Basalt lava: olivine basalt, blue-black to grey when fresh, dense to moderately vesicular, with well developed columnar jointing.	Pliocene to Pliocene
Sjm	McAdam Sandstone	Sandstone, siltstone, minor shale: sandstone mid- to pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbides; generally medium to fine-grained; micaceous; siltstone mid- to dark grey; laminated and bioturbated; shale contains rare Llandovery graptolites	Aeronian to Telychian	G194	Morilla Granite	Biotite granite: coarse grained, slightly porphyritic in pink K-feldspar, plagioclase and quartz; accessory allanite, topaz, ilmenite, magnetite, sphene and monazite	Late Devonian to Late Devonian
Sxi	McIvor Sandstone	Sandstone: fine to medium grained, well-sorted quartz arenite, minor pebbly sandstone and conglomerate beds also present; massive to thickly bedded; shelly fossils; shallow-marine nearshore deposit.	Llandovery to Pridoli	-Pum	Mornington Volcanic Group	Basanite with lesser alkali basalt, nepheline hawaiite, nepheline mugearite, hawaiite, mugearite and nephelinite; lava flows, shallow intrusives and pyroclastics; minor interbedded fluvial sediments and lignite	Lutetian to Lutetian
Dskp	McRaes Ignimbrite	Quartz ignimbrite, red, with large quartz and small feldspar phenocrysts, and overlying volcanoclastic sandstone and mudstone	Pragian to Pragian	Dadm	Moroka Glen Formation	Conglomerate, pebbly sandstone, sandstone, and red and grey mudstone: upward fining sequence; clasts are well-rounded and consist of quartzite, sandstone, vein quartz, chert and minor mudstone in a quartzose or clayey matrix; sparse basalt flows.	Late Devonian to Late Devonian
Dsxm	Meadow Creek Megabreccia	Blocks of ignimbrite from Marroo Subgroup, White Monkey Volcanics and Yalmy Group quartzite in matrix of breccia and conglomerate	Lochkovian to Pragian	G524	Moscow Villa Granodiorite	Biotite granodiorite: grey-green; medium-grained; porphyritic with phenocrysts of all main minerals; biotite has replaced hornblende	Early Devonian to Early Devonian
Sxm	Melbourne Formation	Siltstone and sandstone: mainly thin-bedded; most beds show undisturbed Bouma sequences.	Silurian to Silurian	G567	Mount Alfred Granite	Two-mica cordierite granite: pale brownish grey, fine grained and equigranular; abundant small metasedimentary enclaves; S-type; nonmagnetic; weathered	Wenlock to Pridoli
G127	Mellick Munjie Granodiorite	Biotite-cordierite granodiorite: pale grey, coarse-medium grained; minor cordierite; S-type	Llandovery to Wenlock	G160	Mount Angus Granodiorite	Biotite-hornblende granodiorite: grey; medium-grained; equigranular; rare microgranitoid enclaves	Early Devonian to Early Devonian
-Pnm	Mepunga Formation	Quartz sand: medium to coarse grained, iron-stained, minor detrital limonite, with gastropod and mollusc fragments; foraminifers; unconsolidated, locally cemented with calcite, interbedded with carbonaceous clayey silt to silty clay; barrier island, beach and near shore, estuarine and lagoonal deposits	Eocene to Eocene	G139	Mount Baldhead Granodiorite	Biotite granodiorite: pale to mid-grey; coarse-grained; homogeneous; rare mafic enclaves	Early Devonian to Early Devonian
Dq	Merrimbula Group	Sandstone, conglomerate, siltstone, quartzite, shale.	Late Devonian to Late Devonian	G288	Mount Black Granite	Biotite granite: nonmagnetic, medium grained, equigranular; composed of quartz, alkali feldspar, plagioclase and biotite; S-type	Late Devonian to Late Devonian
				G141	Mount Blomford Granite	Pink granite: coarse-grained; contains altered biotite, which was probably red-brown originally, and micaceous aggregates after cordierite.	Early Devonian to Early Devonian

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Code	Name	Description	Age	Code	Name	Description	Age
G205	Mount Bruno Granite	Biotite-muscovite granite with accessory garnet, evenly medium grained to porphyritic, pale grey	Late Devonian to Late Devonian	G43	Mount Raymond Granite	Riebeckite-biotite granite: medium-grained; foliated; I-type intrusive	Early Devonian to Early Devonian
G161	Mount Buffalo Granite	Biotite-muscovite leucogranite: grey to pinkish grey; coarse-grained, mostly equigranular; some porphyritic phases with orthoclase phenocrysts	Early Devonian to Early Devonian	G229	Mount Robertson Diorite	Quartz-enstatite diorite: medium to fine-grained; mesocratic slightly greenish; andesine with occasionally zoned augite and enstatite; some alteration of enstatite to hornblende; interstitial cloudy orthoclase and quartz.	Late Devonian to Late Devonian
G519j	Mount Burt Granite - dyke phase	Interlayered Mount Burt Granite and gneiss, layers 1-10 m thick	Wenlock to Ludlow	G158	Mount Selwyn Granite	Biotite granodiorite with some tonalite and quartz diorite; hornblende present in most rock types.	Early Devonian to Early Devonian
G519	Mount Burt Granite	Biotite granite and tonalite: grey; medium-grained; equigranular; well foliated; contains some garnet and cordierite	Wenlock to Ludlow	G257	Mount Singapore Granite	Cordierite-biotite granite: medium to coarse grained, creamy grey; contains red-brown biotite and garnet; S-type	Middle Devonian to Middle Devonian
G308	Mount Bute Granite	Hornblende biotite granite: medium to coarse grained, pale grey; mafic enclaves and host-rock inclusions; aplite dykes; weathered to kaolinised, magnetic.	Middle Devonian to Late Devonian	G183	Mount Stanley Granite	Biotite granite: pinkish, medium grained, equigranular	Early Devonian to Early Devonian
G378	Mount Cole Granite	Hornblende-biotite granite: pale pink to grey; coarse grained; porphyritic	Early Devonian to Early Devonian	-Cs	Mount Stavely Volcanic Complex	Intermediate to felsic volcanics, volcaniclastics and intrusives: weakly metamorphosed and deformed; moderate to high magnetic response	Middle Cambrian to Middle Cambrian
Dsg	Mount Dawson Subgroup	Vitric and feldspar-phyric red pumice ignimbrite; ash, volcaniclastic sandstone and breccia lenses	Pragian to Pragian	G227	Mount Stinton Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths	Late Devonian to Late Devonian
Skm	Mount Difficult Subgroup	Quartz sandstone, minor siltstone and mudstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone and mudstone are micaceous. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli	G184	Mount Stirling Granodiorite	Hornblende granodiorite, diorite, gabbro: medium to coarse grained	Middle Devonian to Middle Devonian
G221	Mount Disappointment Granodiorite	Biotite granodiorite: medium grained, equigranular; consists of quartz, oligoclase, orthoclase, biotite and accessory zircon, ilmenite and apatite; occasional xenoliths	Late Devonian to Late Devonian	Dskd	Mount Tabby Formation	Quartz-feldspar and feldspar ignimbrite, basalt lava, breccia, sandstone	Pragian to Pragian
G221	Mount Disappointment Granodiorite-porphyritic phase	Biotite granodiorite, porphyritic with phenocrysts of perthitic orthoclase to 5 cm in a medium-grained groundmass of quartz, oligoclase, orthoclase and biotite with accessory apatite; common microgranitoid enclaves.	Late Devonian to Late Devonian	G132	Mount Taylor Granite	Cordierite-garnet granite porphyry: coarsely K-feldspar phyric, mid-grey; S-type	Late Devonian to Late Devonian
Oxe	Mount Easton Shale	Black shale, minor sandstone: shale thick-bedded, rarely with soft-sediment folding; sandstone pale grey, thin to thick-bedded, fine to medium-grained, Tbc, Tc, minor Tabc turbidites, micaceous; shale commonly with rich late Middle to Late Ordovician (late Darriwilian to mid-Bolindian) graptolite faunas	Darriwilian to Bolindian	G582	Mount Unicorn Porphyry	Quartz-feldspar porphyry: pale cream to buff coloured; bipyramidal quartz phenocrysts and altered feldspar; patchily to pervasively altered; nonmagnetic and magnetic phases	Early Devonian to Middle Devonian
G337	Mount Egbert Granite	Biotite granite: medium grained; S-type; nonmagnetic with subsurface weakly magnetic phase	Early Devonian to Early Devonian	Dtw	Mount Warrick Rhyolite	Rhyolitic lava and porphyry: mostly very glassy, massive to flow-banded, commonly perlitic; rare volcaniclastic sandstone and conglomerate; cream to pale brown colours	Late Devonian to Late Devonian
G280	Mount Egerton Granodiorite	Biotite granodiorite: pale grey; fine to coarse-grained, occasionally feldspar-phyric; mafic microgranular enclaves and mineral clots; nonmagnetic; fresh to kaolinised	Late Devonian to Late Devonian	-Chm	Mount William Metabasalt	Basalt, microgabbro: basalt dark green; fine-grained; phenocrysts of plagioclase and clinopyroxene; rare pillow structures; microgabbro sills: medium to coarse-grained; equigranular; columnar jointing in some; interflow pyritic shale, black shale, chert, jasper.	Early Cambrian to Middle Cambrian
G264	Mount Eliza Granodiorite	Biotite granodiorite: grey, equigranular; contains quartz, plagioclase, orthoclase, biotite, minor hornblende and accessory sphene, allanite and ilmenite; I-type	Late Devonian to Late Devonian	G111	Mount Wills Granite	Muscovite-biotite leucogranite: coarse to fine grained; accessory tourmaline, garnet and topaz; pegmatitic phases common; numerous roof pendants; S-type	Silurian to Silurian
Dla	Mount Elizabeth Caldera Complex - rhyolite	Rhyolite: aphyric to sparsely porphyritic; massive to flow-banded; fine sugary texture where weathered; small phenocrysts of quartz, feldspar, altered biotite	Early Devonian to Early Devonian	-Cic	Mountain Chief Andesite	Andesitic lava and breccia, volcaniclastic mafic boninite, minor hyaloclastite	Cambrian to Cambrian
G126	Mount Elizabeth Granodiorite	Hornblende-biotite granodiorite: green-grey; fine-grained; with acicular to tabular hornblende	Early Devonian to Early Devonian	G119	Mountain Maid Granite	Biotite granite: pale grey; fine-grained; equigranular; massive	Llandovery to Wenlock
G162	Mount Emu Granodiorite	Biotite-hornblende granite, granodiorite, tonalite: grey; coarse-grained; porphyritic, with phenocrysts of plagioclase, quartz, rare orthoclase; fine-grained near the margin	Early Devonian to Early Devonian	G536	Mowamba Porphyries	Quartz-feldspar porphyry: green; medium-grained; strong epidote, sericite and chlorite alteration of relict hornblende and feldspar	Early Devonian to Early Devonian
Dje	Mount Evelyn Rhyodacite	Rhyolite to rhyodacite ignimbrite: welded; phenocryst-rich with gradation from quartz rich to more abundant oligoclase and orthoclase, and plagioclase on top. Contains lithic fragments of bedrock and Coldstream Rhyolite. Uppermost part is a thin band of volcanogenic sediments.	Late Devonian to Late Devonian	G75	Mowambah Granodiorite	Biotite granodiorite: contains cordierite, sillimanite and accessory monazite, ilmenite and pyrrhotite; common metasedimentary xenoliths; mafic S-type	Wenlock to Wenlock
Dxm	Mount Ida Formation	Sandstone, mudstone, conglomerate; marginal marine deposits	Pridoli to Lochkovian	Qhm	mullock heaps	Piles of waste material from mines.	Holocene to Holocene
G506	Mount Jack Granite	Biotite-muscovite granodiorite: with cordierite, garnet; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock	G143	Mungobabba Tonalite	Biotite tonalite: grey; medium-grained; equigranular; massive	Early Devonian to Early Devonian
-Puj	Mount Jim Volcanic Group	Basaltic lava flows: alkali olivine basalt, basanite, picrobasalt, olivine nephelinite, phonolite; olivine phenocrysts are common; minor interbedded lacustrine and fluvial sedimentary rocks including siltstone, shale, gravel, peat and coal	Priabonian to Oligocene	Sjn	Murderers Hill Siltstone	Siltstone, minor sandstone: siltstone brown, purple and green; thinly laminated; sandstone pale; thin-bedded; fine-grained; quartzose and lithic	Telychian to Lochkovian
Damk	Mount Kent Conglomerate	Conglomerate, pebbly sandstone, minor red mudstone: conglomerate massive to crudely bedded, well sorted, generally pale, forms large outcrops; clasts rounded, mostly of sandstone/quartzite; sandstone tabular, commonly with large-scale cross bedding and channeled bases	Famennian to Famennian	G199	Murmungee Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, equigranular with accessory magnetite, sphene, allanite and pyroxene; marginal leucocratic granite; I-type; highly magnetic.	Late Devonian to Late Devonian
G371	Mount Lonarch Granite	Hornbende-biotite granite: pale grey, fine to medium grained	Early Devonian to Early Devonian	Nubm	Murraduc Basalt	Olivine basalt	Miocene to Miocene
G263	Mount Martha Granodiorite	Biotite granodiorite: grey, medium grained; consists of quartz, oligoclase, orthoclase (including microperthite), biotite and minor hornblende; I-type	Late Devonian to Late Devonian	G577	Murray Gates Leucogranite	Leucogranite: grey to pink, medium to coarse grained; up to 5% biotite; massive and equigranular with some porphyritic phases; nonmagnetic. Includes small pods of pegmatite, which occur as dykes and blebs.	Early Devonian to Middle Devonian
G65	Mount McLeod Tonalite	Hornblende tonalite: medium grained, massive; green to grey; I-type	Silurian to Devonian	Skrm	Murray Hill Sandstone	Sandstone: pale yellow; pebbly; quartzo-feldspathic; fine to coarse-grained; variably laminated; medium to thick-bedded; forms prominent outcrops; strong thorium radiometric response suggests relatively high detrital monazite content.	Late Ordovician to Ludlow
G98	Mount Mittamatite Granite	Biotite-rare amphibole granite: pale pink, fine to medium grained; minor fine grained porphyritic granite pods; slightly pervasively altered; highly magnetic	Early Devonian to Middle Devonian	Dbm	Murrindal Limestone	Limestone: massive, pale grey, recrystallized; also fossiliferous bedded limestone	Emsian to Emsian
G255	Mount Norgate Granite	Granite, S-type	Middle Devonian to Middle Devonian	Sm	Murrindindi Supergroup	Siltstone, shale, sandstone, rare conglomerate and limestone; sandstone typically quartz-rich in the lower part and lithic in the upper part; siltstone commonly bioturbated; marine to fluvial	Late Ordovician to Middle Devonian
G123	Mount Nugong Tonalite granodiorite phase	Granodiorite: medium grained with hornblende and biotite, and rare clinopyroxene; I-type	Early Devonian to Early Devonian	G39	Murrungowar Granite	Biotite-muscovite granite: coarse-grained porphyritic; foliated; contains numerous aligned orthoclase phenocrysts and mafic enclaves	Llandovery to Wenlock
G123	Mount Nugong Tonalite	Biotite-hornblende-clinopyroxene tonalite: grey; medium-grained; massive; equigranular; clinopyroxene rimmed by hornblende; occasional rounded mafic enclaves	Early Devonian to Early Devonian	Ddm	Murtagh Creek Ignimbrite	Rhyolitic ignimbrite, minor breccia, lahar deposits: rhyolitic red quartz ignimbrite with large quartz and feldspar ignimbrite and cognate porphyry pyroclasts, with very abundant slate lithic fragments in the west; breccias rich in bedrock lithics	Early Devonian to Middle Devonian
				G4	Naghi Granite	Granite: pink to red, medium to fine grained, equigranular; contains biotite and minor hastingsite with rare fluorite; A-type	Late Devonian to Late Devonian
				-Csn	Nanapundah Tuff	Andesitic crystal lithic volcanic sandstone: massive, variably sorted, partly laminated.	Cambrian to Cambrian
				-Cmn	Nangeela Formation	Black graphitic slate with pyrite; black dolomitic slate with pyrite; grey to green chlorite-sericite slate and metasiltstone; thin greywacke interbeds	Early Cambrian to Middle Cambrian

Ordered by Name

Code	Name	Description	Age	Code	Name	Description	Age
G408	Nangkita Granite	Muscovite leucogranite: massive, white, medium to coarse grained, porphyritic with microcline megacrysts; minor biotite and locally abundant garnet; large enclaves of schist and gneiss are locally abundant, accompanied by biotite schlieren and selvages; nonmagnetic	Middle Cambrian to Middle Ordovician	G526	O'Dell Tonalite	Biotite tonalite: grey; medium to coarse-grained; mostly massive and equigranular; with core of dark green-grey, fine-grained horblende tonalite	Silurian to Devonian
-Cn	Nargoos Group	Quartz wacke and slate; thin-bedded	Early Cambrian to Late Cambrian	G136	Old Sheep Station Granodiorite	Biotite granodiorite: grey; medium to coarse-grained; foliated, with rare hornfels and mafic igneous enclaves	Early Devonian to Early Devonian
G94	Nariel Granite	Muscovite-biotite granite: leuco- to mesocratic, light yellow-brown, equigranular to weakly porphyritic in feldspar; medium-grained; massive; S-type; nonmagnetic	Wenlock to Pridoli	Qd12	Older coastal dune depsoits	Sand, silt, clay: quartz-rich, well sorted, poorly consolidated, locally ferruginised; older coastal dune and beach deposits, some interdune swamp deposits; occur immediately inland from active coastal dunes, with similar trends, more rounded profiles and vegetation cover.	Pleistocene to Holocene
-Pnn	Narrawaturk Marl	Calcareous mudstone, minor thin calcarenite beds: locally carbonaceous and burrowed, locally abundant glauconite pellets and polished quartz sand, foraminifers, bryozoans, brachiopods and molluscs; open marine (below storm wave base) deposits	Eocene to Oligocene	Soc	Omeo Metamorphic Complex cordierite-garnet granite	Cordieirte- and garnet-bearing biotite granite	Llandovery to Wenlock
G354	Natte Yallock Granite	Biotite-hornblende tonalite; medium grained, equigranular; includes hornblende-biotite-orthopyroxene-quartz diorite enclaves; magnetic, oxidised	Early Devonian to Middle Devonian	Sog	Omeo Metamorphic Complex gneiss	Quartzo-feldspathic gneiss: banded; with quartz, biotite, andalusite, cordierite, sillimanite, K-feldspar, plagioclase and rare garnet; calc-silicate nodules	Llandovery to Wenlock
Nun	Neerim Volcanic Group	Basaltic lava flows: olivine tholeiite, alkali olivine basalt, K-hawaiite, with minor nephelenite, basanite and nepheline hawaiite	Oligocene to Burdigalian	Sor	Omeo Metamorphic Complex granodiorite	Biotite granodiorite: medium-grained, equigranular; grey; massive to foliated; rare enclaves of gneiss and small biotite-rich enclaves.	Llandovery to Wenlock
Mxn	Nekeeya Gravel	Polymictic conglomerate: poorly sorted and unconsolidated; variably rounded clasts of granodiorite and sandstone up to boulder size in a sandstone matrix; auriferous at base	Cretaceous to Neogene	Sol	Omeo Metamorphic Complex leucogranite	Undifferentiated leucogranite: muscovite-biotite granite and musovite-biotite-garnet granite: white to pink; fine to coarse-grained.	Llandovery to Wenlock
G191	Nelson Creek Granite	Granite: equigranular, interlocking grains of quartz and rosettes of hydrothermal muscovite; feldspar replaced by masses of sericite and hematite; biotite by chlorite and sericite	Silurian to Devonian	Som	Omeo Metamorphic Complex migmatite	Quartzo-feldspathic migmatite: banded; with biotite, andalusite, cordierite, sillimanite; light bands are quartz-K-feldspar-plagioclase partial melts, dark bands are restite with biotite, sillimanite, andalusite, cordierite and rare garnet.	Llandovery to Wenlock
Obn	New Country Sandstone	Sandstone: dark to mid grey, quartzitic to micaceous; thin to very thick-bedded; interbedded black to grey siltstone and shale, partly micaceous	Bolindian to Bolindian	Soe	Omeo Metamorphic Complex pegmatite	Pegmatite: mainly quartz and feldspar, with some muscovite and tourmaline	Llandovery to Wenlock
Net2	Newer Volcanic Group - alkaline lavas	Nepheline trachyte and nepheline phonolite: dark green-grey, fine grained; porphyritic with phenocrysts of feldspar; occasional trachytic texture; localised sheet flows and lava domes	Miocene to Quaternary	Sop	Omeo Metamorphic Complex phyllite	Phyllite, spotted slate, psammite: well foliated to schistose.	Llandovery to Wenlock
Neo	Newer Volcanic Group - basalt flows	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	Sos	Omeo Metamorphic Complex schist	Biotite schist, spotted schist: with cordierite, andalusite, sillimanite; quartz-rich psammitic schist; often shows differentiated layering; rare calc-silicate nodules	Llandovery to Wenlock
Net1	Newer Volcanic Group - icelandite	Icelandite (trachyandesite): dark grey, fine-grained; occasionally glassy; porphyritic with phenocrysts of plagioclase, pyroxene and minor olivine; xenoliths of Castlemaine Group, recrystallised quartz and gabbro; closely spaced horizontal joints; localised sheet flows	Neogene to Neogene	So	Omeo Metamorphic Complex	Mica schist, gneiss, migmatite and various S-type granites; low pressure series; medium to high-grade metamorphosed Pinnak Sandstone	Llandovery to Wenlock
Nes	Newer Volcanic Group - scoria deposits	Hawaiite, basanite, nephelinite, mugearite, trachybasalt, trachyandesite; scoria, ash, lapilli, agglutinated lava spatter, volcanic bombs, minor lava flows and calcareous lithic fragments: massive to moderately bedded, poorly consolidated	Miocene to Holocene	G44	Orbost Tonalite	Hornblende-biotite tonalite: fine to medium-grained; medium to dark grey; with small enclaves; altered; I-type	Silurian to Devonian
Neo2	Newer Volcanic Group - stony rises basalt	Tholeiitic to alkalic basalt, basanite: youngest flows with little weathering or soil development (stony rises and hummocky lava flows)	Miocene to Holocene	Nxo	Oriental Claims Gravel	Conglomerate, sandstone: colour variable, mainly brown; predominantly vein quartz pebbles but with lithic cobbles and boulders {granite, high-grade metamorphic rocks} at base; moderately to well bedded; local channel erosion	Neogene to Neogene
Net3	Newer Volcanic Group - trachyte plug	Trachyte: creamy white with phenocrysts of anorthoclase and kaersutite in a groundmass of sanidine and opaques.	Miocene to Pleistocene	Qxp	Padthaway Formation	Lagoonal, swamp and locally colluvial deposits forming low-lying wetlands between stranded beach ridges: sand, silt, sandy clay, peat, marl, freshwater limestone; unconsolidated	Pleistocene to Pleistocene
Nep1	Newer Volcanic Group - tuff rings	Tuff rings: pyroclastic base surge and fall deposits consisting of ash, lapilli, scoria, volcanic bombs and calcareous lithic fragments; well-bedded, well sorted, moderately consolidated	Miocene to Holocene	-Po2	Paleogene plugs and dykes	Alkali olivine basalt, microbasalt, phonolite: minor peridotite enclaves; plugs and dykes.	Paleogene to Paleogene
Neo1	Newer Volcanic Group - valley-filling basalt	Olivine basalt: blue-black; fine-grained; olivine phenocrysts; valley-filling flows	Pliocene to Pleistocene	G466	Parslow Diorite	Kaersutite-augite diorite: medium-grained, equigranular; metamorphosed; contains plagioclase, kaersutite, augite, quartz, apatite; metamorphic epidote, actinolite, chlorite, sphene, probable albite.	Silurian to Early Devonian
Ne	Newer Volcanic Group	Mafic to lesser intermediate and ultramafic lavas and pyroclastics and minor intrusive rocks, interbedded sedimentary rocks	Miocene to Holocene	G443	Patawilya Tonalite	Biotite-muscovite tonalite: massive, light grey-buff, medium to coarse grained, equigranular; accessory magnetite, epidote and chalcopyrite; common mafic biotite-rich microgranitoid enclaves; magnetic to weakly magnetic	Middle Cambrian to Early Ordovician
G153	Niggerheads Granodiorite	Biotite granodiorite: medium-coarse grained; I-type	Early Devonian to Early Devonian	-Pwp	Pebble Point Formation	Quartz sand, minor clay: micaceous, fine-grained, friable, generally massive; minor planar cross-bedding; minor gravel, minor volcanic and metamorphic lithic cobbles and pebbles; near shore, shallow marine deposits	Paleocene to Paleocene
Sbn	Nobby Road Sandstone	Sandstone, siltstone: sandstone quartzose to arkosic; medium to fine-grained; minor feldspathic granule conglomerate	Silurian to Silurian	-Pwe	Pember Mudstone	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifera, minor calcareous foraminifera and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
G15	Noorinbee Granodiorite	Biotite-hornblende granodiorite: dark greenish grey, coarse grained, weakly to strongly foliated; abundant mafic inclusions: I-type	Early Devonian to Early Devonian	G83	Penderlea Granite	Granitic rock of uncertain composition: weathered granite and granitic soil	Llandovery to Wenlock
Dnn	Norton Gully Sandstone	Sandstone, siltstone, minor shale, conglomerate, diamictite, limestone: sandstone thick to thin bedded; Ta-c, Tbc, Tc turbidites; grain sizes range from granulestone to very fine-grained sandstone, coarsest beds strongly graded; siltstone and shale well laminated; dark grey to black; conglomerate and most diamictite with well rounded pebbles, often with abundant fossils; limestone lenses in Maindample area	Emsian to Emsian	G624	Pental pluton	Granite: distinguished by geophysical response; very poorly subcropping	Early Devonian to Middle Devonian
Dsnc	Nowa Nowa Conglomerate	Volcanolithic breccia, conglomerate and sandstone with clasts predominantly of glassy rhyolite and minor andesite; lava dome flank deposits	Pragian to Pragian	-Pp	Pentland Hills Volcanic Group	Alkali olivine basalt to nephelinite, minor tuff: dark grey; fine-grained; rarely vesicular; secondary calcite and magnesite in vesicles and joints	Paleocene to Eocene
G165	Nowyeo Granite	Muscovite-biotite leucogranite: variable from fine grained and equigranular to coarse feldspar-phyric; alteration common; metamorphosed; weak foliation; S-type	Silurian to Silurian	G556	Percydale Granite	Granite: grey to red, strongly porphyritic in quartz and feldspar, groundmass ranges from glassy to equigranular with rare biotite and fluorite.	Triassic to Triassic
G19	Nungatta Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, weakly foliated; prominent hornblende crystals; plagioclase-rich; I-type	Llandovery to Early Devonian	G460	Phipps Granite	Biotite leucogranite: cream to pink; equigranular medium-grained; unfoliated; contains plagioclase, orthoclase, biotite, rare muscovite.	Silurian to Devonian
-Pun	Nunnett Plains Volcanic Group	Basalt flows and minor dykes: quartz tholeiitic basalt, olivine tholeiitic basalt, nepheline basanite, hawaiite	Lutetian to Rupelian	Oxp	Phosphate Hill Formation	Chert, siltstone, black shale, phosphorite: chert and siltstone brown and grey; thinly bedded; phosphorite medium to coarse sand-sized; dark green-grey; contains rare Early Ordovician (Lancefieldian) graptolites.	Lancefieldian to Bendigonian
G125	Nunniong Granodiorite	Biotite-cordierite granodiorite: grey; fine to medium-grained; massive to foliated; abundant gneissic enclaves in north, west and southwest	Silurian to Devonian	G504	Pike Hill Granodiorite	Biotite granodiorite: coarse to medium-grained; foliated; weathered; S-type	Wenlock to Wenlock
G508	Ocean View Granite - mylonitic granodiorite	Muscovite-biotite granodiorite: coarse-grained; mylonitic; with sparse enclaves; S-type	Wenlock to Wenlock	Nui	Pine Lodge Leucitite	Dark grey olivine leucitite with phenocrysts of olivine and uncommon clinopyroxene in a groundmass of clinopyroxene, leucite, Fe-Ti oxides, interstitial nepheline and brown Ba- and Ti-rich mica.	Messinian to Messinian
G508	Ocean View Granite	Biotite-muscovite granodiorite: with cordierite; medium-grained; foliated with numerous schistose enclaves; S-type	Llandovery to Wenlock	G99	Pine Mountain Granite	Biotite leucogranite: pale to deep pink, medium to coarse grained; minor fine grained granite pods; nonmagnetic	Early Devonian to Early Devonian

Ordered by Name

Code	Name	Description	Age
Oap	Pinnak Sandstone	Sandstone, siltstone, rare chert: sandstone dark to pale grey and green colours; very thick to thin-bedded, turbiditic, moderately sorted, quartz-rich with minor feldspar and detrital mica, thick beds are mostly massive graded (Bouma Ta) and in places with granulestone bases, thinner beds with well-formed laminated and cross-bedded intervals (Bouma Tb and Tc); siltstone dark grey to green; well-bedded, with smooth regular banding	Lancefieldian to Darriwilian
Nup	Pintadeen Basalt	Olivine basalt: blue-black; dense; phenocrysts of labradorite, clinopyroxene, olivine in finer matrix with interstitial devitrified glass; well developed columnar jointing	Aquitanian to Aquitanian
Dxja	Pipeline Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian
Dxj	Pipeline Volcanics	Lithic quartz ignimbrite: welded coarse ignimbrite, crystals of quartz + feldspar (20%-50%), lithic grains (20%) in a fine foliated matrix (30-60%), flattened pumice; lithics are mostly sandstone and shale; minor quartz-feldspar porphyry: quartz phenocrysts in a fine sericitised matrix.	Early Devonian to Early Devonian
Neptp	Piton Scoria Member	Scoria, spatter, ash, nepheline basanite lava: scoria unconsolidated; basanite highly vesicular; small olivine phenocrysts in opaque groundmass	Pleistocene to Holocene
Dsgf	Plumb Gully Ignimbrite	Quartz-feldspar ignimbrite with red volcanic lithic clasts and red pumice fragments	Pragian to Pragian
Spp	Poddy Creek Metamorphics phyllite	Biotite phyllite and psammite; spots of retrogressed cordierite	Llandovery to Wenlock
Sps	Poddy Creek Metamorphics spotted slate	Slate with spots of chlorite, muscovite and sericite; quartz sandstone.	Llandovery to Wenlock
G146	Polar Star Tonalite	Biotite tonalite: grey; medium-grained; equigranular; minor porphyritic fine-grained tonalite; moderately to strongly foliated	Early Devonian to Early Devonian
Nhp	Port Campbell Limestone	Calcarenite, minor calcilitute: generally fine-grained; bryozoan, mollusc, echinoid and brachiopod fragments, minor coarse-grained calcarenite, quartz sand and clayey silt; weakly cemented, moderately bedded; continental shelf deposit	Miocene to Miocene
G113	Post Office Granite	Biotite granite, hornblende-biotite diorite; mainly granite soil: may be felsic phase of Bingo Munjie Quartz Diorite	Early Devonian to Early Devonian
G59	Postman Spur Granodiorite	Biotite-cordierite granodiorite: medium grained, abundant inclusions of gneiss and schist; S-type.	Llandovery to Wenlock
G367	Powncebys Tonalite	Biotite-hornblende tonalite: mafic; grey speckled appearance; medium grained; pronounced magmatic flow banding defined by elongate feldspar crystals	Early Devonian to Early Devonian
G154	Pretty Valley Tonalite	Biotite tonalite: coarse grained, equigranular with minor hornblende; gneissic; abundant aplite and pegmatite dykes and migmatite enclaves; I-type	Silurian to Silurian
Dxp	Puckapunyal Formation	Fine- to coarse-grained quartz and quartz-lithic arenite, minor conglomerate: parallel and ripple drift cross laminations, and interbedded siltstone and claystone; slump structures, commonly burrowed	Pridoli to Lochkovian
G503	Purgagoolah Granite	Granite: coarse to medium-grained; weathered; I-type?	Wenlock to Wenlock
G283	Pyalong Granite	Biotite granite: pale grey; coarse-grained; strongly porphyritic with large K-feldspar phenocrysts; S-type	Late Devonian to Late Devonian
G295	Pyramid Hill Granite	Leucocratic biotite-muscovite granite, with accessory apatite, zircon, garnet, andalusite, ilmenite and pyrite; coarse-grained, porphyritic with orthoclase phenocrysts; S-type.	Late Devonian to Late Devonian
-Cap	Pyrenees Formation	Sandstone and mudstone: dominantly sand-rich turbidite facies; moderately to well sorted, variably rounded quartz with minor feldspar and lithic grains in quartz silt or clay matrix; medium to thick bedded; unfossiliferous; weathered to partly kaolinised; deep marine deposits. Mostly nonmagnetic, but some parts are weakly to moderately magnetic.	Middle Cambrian to Early Ordovician
Qhq	quarry waste deposits	Sand , gravel and clay; overburden and waste from quarries.	Holocene to Holocene
Dgp	quartz diorite	Hornblende quartz diorite: fine grained, massive, with large hornblende phenocrysts	Early Devonian to Early Devonian
-Cmg	quartzofeldspathic schist with pegmatite	Quartzofeldspathic schist with numerous irregularly shaped pegmatite pods from several to 100 metres across.	Early Cambrian to Middle Cambrian
Dsqd	Quindalup Ignimbrite	Quartz ignimbrite: salmon pink; often coarse-grained with prominent quartz crystals; moderate to high phenocryst content; variably welded, commonly with obvious eutaxitic foliation; minor thin sandstone and conglomerate	Lochkovian to Pragian
G463	Racecourse Plain Tonalite	Biotite-hornblende tonalite: medium-grained, equigranular; contains quartz, plagioclase (commonly with distinct calcic cores), biotite, hornblende, cummingtonite (within hornblende)	Silurian to Early Devonian
G281	Rainy Creek Porphyry	Orthopyroxene-plagioclase-biotite porphyry: fine to medium grained porphyry with phenocrysts of plagioclase and orthopyroxene set in an aphanitic groundmass; magnetic S-type intrusion.	Late Devonian to Late Devonian
Dskw	Rankin Road Ignimbrite	Vitric feldspar ignimbrite: pale coloured, massive, recrystalised, contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian
Dskq	Raymond Falls Lava	Rhyolite lava: small quartz and feldspar phenocrysts, in part flow banded; lava dome	Pragian to Pragian
Nbr	Red Bluff Sandstone	Sandstone, conglomerate: pale yellow and brown; fine to coarse-grained, massive to well bedded; cross-bedded; local ironstone	Miocene to Pliocene
Skr	Red Man Bluff Subgroup	Sandstone with interbedded siltstone, conglomerate.	Late Ordovician to Llandovery
G128	Reedy Flat Tonalite	Biotite-hornblende tonalite/granodiorite: pale grey; medium-grained; porphyritic in hornblende; weak magmatic foliation; microgranitoid enclaves	Early Devonian to Early Devonian

Code	Name	Description	Age
Dawr	Refrigerator Gap Dacite	Thin tabular flows of massive dacitic lava and occasional hyaloclastite, with a 20 m thick unit of black laminated shale intercalated.	Late Devonian to Late Devonian
-Pr	Renmark Group	Gravel, quartz sand, silt and clay: pyritic, ferruginised, unconsolidated to poorly consolidated	Thanetian to Miocene
-Crr	Rhymney Schist	Quartz-biotite-graphite schist, black, laminated: thin graded quartz and pelite layers are relict bedding; pelitic layers contain biotite and graphitic material; black, greasy texture; disseminated pyrrhotite and pyrite mineralization; nonmagnetic	Middle Cambrian to Late Cambrian
G361	Richmond Granite	Biotite granite: I-type, oxidised; fine grained pink to white; some small pegmatite veinlets	Early Devonian to Middle Devonian
Osre	Riddell Sandstone Eastonian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Eastonian age.	Eastonian to Eastonian
Osrg	Riddell Sandstone Gisbornian	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles; Gisbornian age.	Gisbornian to Gisbornian
Osr	Riddell Sandstone	Sandstone, black shale, black and grey siltstone: sandstone thin to thick-bedded; turbiditic (Tae, Tabc, Tbc, Tc); shale commonly graptolitic; minor pebbel conglomerate with well-rounded pebbles.	Gisbornian to Bolindian
G137	Rileys Creek Granodiorite	Biotite-hornblende granodiorite, tonalite: grey; medium to coarse-grained; locally porphyritic in plagioclase; strongly foliated; abundant dark stretched quartz diorite and megacrystic tonalite enclaves give rock a migmatitic appearance	Early Devonian to Early Devonian
Dr	Rocklands Volcanic Group	Rhyolite lava: flow banded; ignimbrite; volcanoclastic sedimentary rocks; microgranite	Early Devonian to Early Devonian
G509	Rocky Jack Granite	Granite: felsic; foliated; altered, with clinozoisite/epidote; I-type?	Llandovery to Wenlock
G60	Rodger River Granodiorite	Biotite-augite granodiorite: slightly K-feldspar phyrlic; with igneous and sedimentary enclaves; I-type	Silurian to Devonian
Ocr	Romsey Subgroup	Sandstone, siltstone, black shale, chert: sandstone various colours; thick to thin-bedded; turbiditic; siltstone: dark green when fresh; generally well bedded; shale: in places richly graptolitic; chert: minor, well bedded.	Late Cambrian to Bendigonian
Dycr	Rubicon Rhyolite	Rhyolite: light bluish-grey, porphyritic; phenocrysts of quartz, biotite, almandine, plagioclase and cordierite; pumiceous ignimbrite at base; base of formation contains concentration of hornfels and andesite lithic fragments.	Late Devonian to Late Devonian
Dtr	Ryans Creek Ignimbrite	Rhyolitic quartz ignimbrite: cordierite and garnet phenocrysts, densely welded/recrystallized; shows upward zonation from a chilled dark base, to eutaxitic and partly microcrystalline, to recrystallized.	Late Devonian to Late Devonian
G422	Saint Elmo Granodiorite	Biotite granodiorite: massive, light grey, medium grained, equigranular; accessory magnetite; rare small biotite-rich enclaves; weakly magnetic	Middle Cambrian to Early Ordovician
G133	Saint Patricks Creek Granite	Biotite granite: pale pink; medium to fine-grained	Early Devonian to Early Devonian
Nl	Sale Group	Clastics and carbonate sediments: includes gravel, claystone, sandstone, siltstone; nonmarine to marginal marine	Miocene to Pliocene
G29	Sandpatch Point Granite	Granite	Early Devonian to Early Devonian
G523	Sarah Allen Granodiorite	Biotite-minor hornblende granodiorite: pale grey, medium grained, massive; plagioclase-rich	Silurian to Early Devonian
Sxn	Sardine Conglomerate	Pebble to cobble-conglomerate: massive; minor sandstone; matrix is a mixture of sand, small pebbles and silt; most clasts are micaceous sandstone; minor volcanogenic sandstone.	Llandovery to Pridoli
G131	Sarsfield Granite	Biotite-muscovite leucogranite: fine to medium grained, cream-white; S-type	Late Devonian to Late Devonian
G528	Saturday Morning Tonalite	Biotite-hornblende tonalite: fine-grained; porphyritic with tabular hornblende phenocrysts.	Early Devonian to Early Devonian
-Cmg	schist, amphibolite and calc-silicate	Mica schist with variable amounts of garnet, staurolite, andalusite and sillimanite; amphibolite; calc-silicate rock; rare ultramafic schist.	Early Cambrian to Middle Cambrian
G413	Schofield Granite	Muscovite-biotite granite: heterogeneous, foliated, light buff, medium to coarse grained, porphyritic with megacrysts of microcline; foliation defined by schlieren and aligned biotite-muscovite clots and selvages; abundant schist and migmatite enclaves. Includes garnet pegmatite lenses and biotite- and plagioclase-rich horizons; non-magnetic	Middle Cambrian to Early Ordovician
Dsbc	Scorpion Creek Sandstone	Sandstone and siltstone, ash, conglomerate, pebbly sandstone	Lochkovian to Pragian
Qc2	scree deposits	Gravel, sand, silt and clay; poorly sorted and rounded; unconsolidated; composition reflects local source; scree deposits.	Pleistocene to Pleistocene
G505	Scrubby Flat Gabbro	Pyroxene-hornblende gabbro and gabbronorite: medium to coarse-grained; I-type	Llandovery to Wenlock
G415	Scrubby Junction Granodiorite	Biotite-muscovite granodiorite: foliated, medium to coarse grained, porphyritic with microcline phenocrysts; schlieric layering and nebulitic banding are common; common enclaves of schist. Includes pegmatite and sheets of garnet leucogranite; non-magnetic	Middle Cambrian to Early Ordovician
G258	Sealers Cove Granite	Cordierite-biotite granite: fine grained to porphyritic; S-type	Middle Devonian to Middle Devonian
Ns	Seaspray Group	Clastic sedimentary rocks: calcareous and ferruginous sandstone, marl; nonmarine to paralic clastics, marine clastics, marine carbonates	Rupelian to Miocene

Ordered by Name

Code	Name	Description	Age
Sys	Seldom Seen Formation	Quartzite, conglomerate, breccia; variably sorted, clast supported conglomerate; debris-flow breccia; pebbly and well sorted sandstone; clasts of chert, quartzite, intermediate to felsic volcanics, shale, black slate; rare mudstone	Llandovery to Wenlock
Sjr	Serpentine Creek Sandstone	Sandstone, siltstone: sandstone thick to thin-bedded; coarse to fine-grained; Tabc, Tbc and Tc turbidites; siltstone: laminated and bioturbated	Aeronian to Telychian
-Cj2	serpentinite	Serpentinite: green; fine-grained; foliated; relict granular texture; rare relict pyroxene phenocrysts; contains talc, with accessory hornblende, plagioclase, magnetite, chrome spinel.	Cambrian to Cambrian
Skms	Serra Sandstone	Quartz sandstone, minor siltstone, minor conglomerate; sandstone pale, medium to coarse grained with sub-rounded vein quartz pebbles; laminated to trough cross-laminated, medium to thickly bedded; Skolithos horizons and ripple surfaces. Siltstone intervals prominent in the south of the Grampians Ranges. Conglomerate bands are pale grey; polymictic; poorly sorted with open framework; abundant bedrock clasts of angular dark slate and subrounded quartz-vein clasts	Ludlow to Pridoli
Nurs	Seven Creeks Basalt	Dark grey mafic volcanic rock containing small phenocrysts of olivine in a groundmass of augite, glass, magnetite and rare plagioclase, leucite or nepheline and red-brown biotite; ranges from alkali basalt to basanite; minor scoria and ash.	Miocene to Miocene
Sts	Shanahan Sandstone	Sandstone and siltstone, with interbedded ignimbrite, minor lava and volcanogenic rocks at the base.	Ludlow to Pragian
-Cis	Sheepyard Flat Boninite	Ultramafic boninite lava and volcanic breccia; rare interbeds of finer volcanoclastics and two thin flows of tholeiitic basalt. Includes zones of melange consisting of blocks of boninite, metabasalt, serpentinite and chlorite slate in a dark schistose matrix.	Cambrian to Cambrian
Dds	Sheevers Spur Ignimbrite	Dacitic pyroxene-feldspar ignimbrite: grey-green; medium-grained; moderate to high phenocryst content; densely welded	Early Devonian to Early Devonian
-Chs	Sheoak Gully Boninite	Boninite: phenocrysts of pyroxene, chromite, plagioclase; spherulites; massive with minor pillow lava; minor rhyolite lava, volcanic sandstone, ash, hyaloclastite breccia; deep-marine deposit.	Early Cambrian to Middle Cambrian
Nws	Shepparton Formation	Clay, sand, silt, poorly-sorted lenticular gravel. Dissected flood plain alluvium: terraces 1-10 metres above present river channels; well developed soil 2-3 m thick.	Pliocene to Holocene
G192	Shippen Gully Porphyry	Quartz-feldspar porphyry: strongly porphyritic; phenocrysts of quartz, plagioclase, perthitic orthoclase, biotite and garnet in a fine-grained granoblastic groundmass of quartz, plagioclase and orthoclase; occasional cordierite	Devonian to Devonian
G240	Silvan Granodiorite	Biotite granodiorite porphyry	Late Devonian to Late Devonian
G535	Silver Flat Porphyries	Feldspar-quartz porphyry: brown, red, grey; variable amounts of quartz and feldspar; fine recrystallised groundmass; commonly displays well developed columnar jointing	Ludlow to Early Devonian
Sks	Silverband Formation	Micaceous mudstone: red, with thin interbeds of yellowish quartzo-micaceous sandstone; laminated; rippled surfaces, mudcracks and bioturbation; poorly outcropping; sparse fossil fauna of ostracods, brachiopods, and fish spines, teeth and scales.	Ludlow to Ludlow
G150	Simmonds Gap Granite	Biotite granite: grey to pinkish-grey, leucocratic, medium- to fine-grained, varies from equigranular to porphyritic with phenocrysts of pink orthoclase; I type	Early Devonian to Early Devonian
Sjs	Sinclair Valley Sandstone	Sandstone, siltstone in variable proportion: sandstone mid- to pale grey; thick to thin-bedded; Tbc, Tabc, Tc turbidites; quartz-rich to micaceous, medium to fine-grained; siltstone generally dark grey; laminated and bioturbated; rare shale contains Ludlow graptolites	Homerian to Gorstian
G558	Sisters Granite - syenite phase	Biotite-hornblende-quartz syenite: fine-grained; equigranular	Triassic to Triassic
G558	Sisters Granite	Biotite alkali granite, quartz syenite: cream; fine to medium-grained; rare small K-feldspar phenocrysts	Triassic to Triassic
G10	Skerries Granite	Biotite granite, felsic: pink to grey; hornfels enclaves locally abundant; mostly non-magnetic	Early Devonian to Early Devonian
Dls	Slater Ignimbrite	Quartz ignimbrite: purple-red with pink pumice, coarse-grained with up to 40% crystal content; contains biotite; densely welded throughout	Early Devonian to Early Devonian
Dfs	Sloan Knob Microgranite	Ring dyke: coarse quartz-feldspar porphyry with large euhedral crystals of quartz and feldspar and some biotite in a finer groundmass of the same minerals; glassy rhyolite with rare quartz phenocrysts.	Early Devonian to Early Devonian
Qc3	slump deposits	Diamictite, clay, clayey silt, rubble: poorly sorted and unconsolidated	Holocene to Holocene
Neab	Smokers Creek Volcanic Subgroup - benmoreite lava	Benmoreite lava: blue-grey; fine-grained; massive; phenocrysts of K-feldspar or anorthoclase, olivine and pyroxene	Miocene to Pliocene
Neaa	Smokers Creek Volcanic Subgroup - basanite lava	Basanite lava: blue-black; very fine-grained to glassy; massive; commonly weathered to clay	Miocene to Pliocene
Neah	Smokers Creek Volcanic Subgroup - hawaiite lava	Hawaiite lava: blue-black; fine-grained; massive or with platy flow-banding; small phenocrysts of olivine, plagioclase and pyroxene	Miocene to Pliocene
Neam	Smokers Creek Volcanic Subgroup - mugearite lava	Mugearite lava, minor scoria: grey; evenly fine-grained; massive to uncommonly vesicular; sporadic large phenocrysts of anorthoclase	Miocene to Pliocene
Neat	Smokers Creek Volcanic Subgroup - trachyte lava	Trachyte lava, minor scoria and tuff: near-black when fresh but usually weathered to pale colours; variably porphyritic with small to large phenocrysts of K-feldspar, anorthoclase, occasional albite in fine-grained groundmass; trachytic scoria and tuff well bedded, moderately to well sorted	Miocene to Pliocene
G437	Snake River Tonalite	Hornblende-biotite tonalite: foliated, grey, medium grained; porphyritic in hornblende; accessory magnetite, epidote, sphene and allanite. Numerous hornblende-rich mafic microgranitoid enclaves; magnetic	Middle Cambrian to Early Ordovician
Dams	Snowy Plains Formation	Mudstone, sandstone: red mudstone generally poorly bedded, sandstone pale-coloured, quartz-rich; upward-fining with minor conglomerate near base	Famennian to Carboniferous
Code	Name	Description	Age
Dsya	Snowy River Volcanic Group - porphyry	Feldspar-hornblende porphyry, commonly coarse-grained, dark bluish green when fresh; some contain pyroxene and/or small amounts of quartz phenocrysts	Pragian to Pragian
Dsyb	Snowy River Volcanic Group - porphyry	Quartz-feldspar-hornblende/biotite porphyry with large phenocrysts	Pragian to Pragian
Dsyc	Snowy River Volcanic Group - porphyry	Quartz-feldspar porphyry: coarse-grained, massive; dykes	Pragian to Pragian
Dsyd	Snowy River Volcanic Group - rhyolite	Rhyolite: vitric with sparse feldspar and/or quartz phenocrysts, in places flow-banded, spherulitic	Early Devonian to Early Devonian
Ds	Snowy River Volcanic Group	Volcanic lava, pyroclastics and epiclastics	Early Devonian to Early Devonian
Qdi	source-bordering dune deposits	Sand, silt, clay: inland dune deposits, some swamp deposits; mostly source-bordering	Pleistocene to Holocene
Sxs	Springfield Sandstone	Sandstone, siltstone and conglomerate: medium to thick bedded, lithic quartz sandstone alternating with grey-green shaly siltstone and thin-bedded sandstone; variably bioturbated, occasional graptolites; deep-marine turbidite fan deposits.	Rhuddanian to Telychian
-Ca	St Amaud Group	Sandstone, siltstone, biotite schist; sandstone quartzose to feldspathic; deep marine turbidite deposits	Late Cambrian to Late Cambrian
Dsea	Statham Ignimbrite	Quartz-feldspar ignimbrite with large phenocrysts and red pumice fragments: abundant lithic clasts near the base; minor sandstone, siltstone, breccia, feldspar ignimbrite	Pragian to Pragian
Ocr2	Stauro Gully Shale plus Split Hill Sandstone plus Bryo Gully Shale	Sandstone, siltstone, shale, chert,.	Lancefieldian to Lancefieldian
G379	Stawell Granite	Hornblende-biotite granite: pale; medium to coarse grained; occasional diorite, granodiorite and hornfels xenoliths; weakly foliated; oxidised, I-type, moderately magnetic	Early Devonian to Early Devonian
Dsku	Stonehenge Ignimbrite	Feldspar and vitric feldspar ignimbrite: variably welded and in parts pumiceous, green to pale grey; vitriclastic pumiceous sandstone; pyroclastic and marine mass-flow deposits	Pragian to Pragian
G217	Strathbogie Granite aplite phase	Massive grey aplite, quartz-feldspar-biotite with some cordierite; black tourmaline-rich nodules present locally.	Late Devonian to Late Devonian
G217	Strathbogie Granite	Coarse-grained porphyritic biotite-cordierite granite with minor garnet; K-feldspar phenocrysts to 50 mm across, with less common quartz phenocrysts to 10 mm across and garnet and cordierite up to 20 mm across; tourmaline aggregates locally present.	Late Devonian to Late Devonian
-Pa	Sub-basaltic sediments	Conglomerate, sandstone, mudstone, peat	Paleogene to Neogene
Nxp	Sub-basaltic sediments	Conglomerate, sandstone	Miocene to Miocene
G74	Suggan Buggan Granodiorite	Biotite-cordierite granodiorite: coarse grained, quartz phyric; S-type	Llandovery to Wenlock
Os	Sunbury Group	Shale, sandy shale, minor sandstone and mudstone	Gisbornian to Bolindian
Obs	Sunlight Creek Formation	Black shale, cherty shale, stripy thin-bedded cross-bedded sandstone and siltstone: medium- to thick-bedded turbiditic grey sandstone, minor mica; siltstone massive to bioturbated; sparse Gisbornian graptolites	Darriwilian to Gisbornian
Qm1	swamp and lake deposits	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene
Dska	Sykes Tuff	Breccia, thinly bedded vitric ash, fine sandstone, with accretionary lapilli	Lochkovian to Pragian
Dwt	Tabberabbera Formation	Siltstone, sandstone, minor carbonate	Early Devonian to Early Devonian
Ddt	Tabor Volcanics	Lava and volcanogenic sediments: basaltic andesite, dark blue-green, minor unwelded felsic ignimbrite and ashstone	Early Devonian to Middle Devonian
Dyt	Taggerty Subgroup	Felsic ignimbrites, basalt and andesite lavas, conglomerate, sandstone.	Late Devonian to Late Devonian
G365	Tailor Creek Tonalite	Hornblende tonalite:mafic; medium to coarse grained: light green to dark greenish grey; speckled appearance; some parts very rich in hornblende.	Early Devonian to Early Devonian
G134	Tambo Crossing Tonalite	Biotite-hornblende tonalite: grey; medium to coarse-grained; porphyritic in hornblende; weakly to moderately foliated	Ludlow to Early Devonian
G13	Tamboon Road Granite	Biotite granite: pinkish, equigranular, felsic; I-type	Early Devonian to Early Devonian
G204	Taminick Gap Granite	Biotite granite: very coarse grained, pale grey; S-type	Late Devonian to Late Devonian
G237	Tanjil Granodiorite	Granodiorite: medium grained, equigranular, hornblende-bearing	Late Devonian to Late Devonian
Dso	Tara Range Subgroup	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded; minor volcanogenic sediments including mudstone and sandstone with accretionary lapilli, tabular cross-bedded sandstone; minor basalt lava; pyroclastic and epiclastic rocks, minor lava flows	Pragian to Pragian
Dbt	Taravale Marlstone	Marlstone, mudstone, nodular limestone, calcareous siltstone and minor dolomite; blue-grey, green grey to pale brown and white with dark limestone nodules, poorly to well bedded.	Emsian to Emsian
G41	Tarlton Granite	Granite, composition variable: hornblende, biotite and muscovite; medium to coarse-grained; I-type	Silurian to Devonian

Ordered by Name

Code	Name	Description	Age	Code	Name	Description	Age
G351	Tarnagulla Granodiorite	Hornblende-biotite granodiorite: medium grained; minor pegmatite and aplite; variably magnetic	Early Devonian to Early Devonian	-Cmt	Truro Volcanics	Mafic to felsic lavas and intrusives: basalt, andesite dark green, fine-grained; rhyolite cream, quartz-phyric; dolerite and gabbro: dark green; diorite dykes and sills: grey-green; mafic volcanoclastic sandstone and granulestone: dark grey-green; thin interbeds of slate and greywacke. Low regional metamorphic grade, commonly cleaved	Early Cambrian to Early Cambrian
G115	Taylor's Crossing Tonalite	Biotite tonalite: grey; medium-grained; weakly foliated; occasional metasedimentary enclaves	Silurian to Silurian				
TRlt	Teapot Creek Formation	Volcanogenic sandstone, conglomerate, breccia: marked variation from place to place; minor trachyte lava	Triassic to Triassic	-Puu	Tubbut Basalt	Basalt flows: olivine tholeiite, olivine nephelinite and hawaiite.	Lutetian to Priabonian
G335	Teddywaddy Granite	Biotite-muscovite granite: coarse to medium porphyritic; contains small mafic enclaves; S-type; nonmagnetic	Early Devonian to Middle Devonian	G465	Tucker Creek Tonalite	Biotite-hornblende tonalite: medium-grained; contains quartz, plagioclase, biotite (replaced by chlorite and sphene) and relics of brown hornblende; alteration minerals include sericite, carbonate, epidote.	Silurian to Early Devonian
Skrt	Thermopylae Conglomerate	Polymictic conglomerate: pale grey; massive; poorly sorted with an open framework of variably rounded bedrock clasts of vein quartz and veined sandstone; matrix and interbeds of coarse-grained quartzo-feldspathic sandstone; planar and cross laminated, thin to thick-bedded.	Late Ordovician to Ludlow	Nuu	Tullamarine Basalt	Lava flows: alkali olivine basalt	Aquitanian to Burdigalian
G102	Thologolong Granite	Leucogranite: pink, coarse grained with slightly finer grained marginal phase; consists of quartz, plagioclase, perthitic K-feldspar and dark brown biotite with accessory muscovite, ilmenite, tourmaline, magnetite, zircon and fluorite; common miarolitic cavities; magnetic	Early Devonian to Middle Devonian	G315	Tullaroop Granodiorite	Biotite +/- hornblende granodiorite: medium grained; equigranular to weakly porphyritic in plagioclase, quartz and K-feldspar; nonmagnetic phase at surface intruded by a magnetic phase at depth; nonmagnetic phase reduced to oxidised; I-type	Late Devonian to Late Devonian
Set	Thorkidaan Volcanics	Rhyolitic lava, minor volcanoclastics, pyroclastics and shallow intrusions; volcanoclastics are massive, porphyritic with phenocrysts of quartz, K-feldspar, plagioclase and biotite.	Wenlock to Ludlow	DSxu	Tulloch Ard Ignimbrite	Quartz-feldspar ignimbrite with lithic clasts of black shale and other older sediment: mostly densely welded	Lochkovian to Pragian
-Put	Thorpdale Volcanic Group	Tholeiitic and alkalic basalt; minor nephelinite, basanite, nepheline hawaiite, hawaiite, mugearite, nepheline mugearite, tuff, interbedded sandstone and silcrete.	Paleocene to Miocene	G425	Tuloona Granodiorite	Biotite granodiorite: massive to weakly foliated, light grey, medium to coarse grained, porphyritic with phenocrysts of quartz and microcline; accessory muscovite and magnetite; common mafic biotite-rich microgranitoid enclaves; also enclaves of migmatite and schist; biotite-rich schlieren locally common; magnetic.	Middle Cambrian to Early Ordovician
G569	Thowgla Creek Granite	Biotite cordierite granite: brownish grey, medium to coarse grained; mostly porphyritic in K-feldspar; S-type; nonmagnetic	Wenlock to Pridoli	G28	Tumberluck Diorite	Hornblende diorite: coarse to medium grained, dark green-grey; foliated; I-type	Llandovery to Wenlock
G307	Tiac Granite	Coarse-grained equigranular biotite granite; cream coloured.	Late Devonian to Late Devonian	G387	Two Eyed Creek Granodiorite	Hornblende-biotite granodiorite: grey; medium to coarse grained; numerous quartz diorite, biotite granodiorite and country rock xenoliths; strongly foliated in part; occasional small miarolitic cavities; reduced; I-type, nonmagnetic	Early Devonian to Early Devonian
Dsb	Timbarra Subgroup	Breccia, conglomerate, sandstone, siltstone, ash, ignimbrite	Pragian to Pragian	Kstt	Tyers Conglomerate	Conglomerate, pebbly sandstone, rare siltstone, shale: cobble, minor pebble and occasional boulder conglomerate massive to cross-bedded; variable rounding; low sphericity; polymictic; sandstone very coarse to fine-grained; bedded	Berriasian to Valanginian
G156	Timms Spur Leucogranite	Muscovite-biotite leucogranite: medium grained; equigranular; non-magnetic; S-type	Silurian to Silurian				
DSqc	Tin Pot Ignimbrite	Feldspar and quartz ignimbrite: commonly with very low quartz content; generally weathered and poorly exposed	Pragian to Pragian	G239	Tynong Granite	Biotite granite: medium grained, porphyritic; pale grey	Late Devonian to Late Devonian
Swo	Toaks Creek Conglomerate	Pebble conglomerate: massive to crudely bedded, clasts well rounded; with high proportion of rhyolite and porphyry clasts in lower part; minor sandstone lenses	Ludlow to Pridoli	-Cj1	Undifferentiated Jamieson Volcanic Group	Andesite and dacite: green; highly silicified; includes porphyritic andesite with plagioclase, hornblende and rare quartz, clinopyroxene and K-feldspar; flow-banded in places	Cambrian to Cambrian
-Cjt	Tobacco Creek Andesite	Andesite lava, andesite breccia, volcanogenic sandstone, limestone.	Cambrian to Cambrian	Ox	Undifferentiated Ordovician/Silurian sedimentary rocks	Sandstone, mudstone, chert	Ordovician to Silurian
G89	Tom Groggin Granite	Granite	Wenlock to Pridoli	Swu	Undowah Siltstone	Siltstone: grey-green and red, with basal graded volcanogenic sandstone and conglomerate of reworked rhyolite lava clasts	Ludlow to Pridoli
DSob	Tomato Creek Ignimbrite	Quartz ignimbrite: crystal rich, medium to coarse-grained, red, generally densely welded and with well developed eutaxitic foliation, rheomorphic at base; contains Ordovician-derived lithic fragments; pyroclastic deposits	Pragian to Pragian	-Cid	Unnamed microgabbro sill	Intrusive: coarse grained microgabbro sill;	Cambrian to Cambrian
G35	Tommy Roundhead Granodiorite	Biotite granodiorite and tonalite: medium grained, porphyritic, grey, variably foliated; contains abundant biotite schist enclaves as well as enclaves of hornblende-biotite diorite; I-type	Llandovery to Wenlock	-Cip	Unnamed olivine pyroxenite sill	Olivine pyroxenite sill: olivine, magnesiochromite and clinoenstatite crystals with interstitial pyroxene, pargasite and glass altered to serpentine	Cambrian to Cambrian
Syn	Tongaro Formation	Sandstone, minor mudstone: sandstone pale grey; quartzitic, medium to fine grained; thin to thick-bedded; mudstone green and brown, cleaved; rare conglomerate and massive limestone lenses.	Llandovery to Wenlock	Qc7	unnamed rock rivers	'Rock rivers' and boulder fields: angular to sub-rounded cobbles and boulders; forms aprons on the flanks of steep hills and around basalt caps; loose blocks; no matrix; periglacial	Pleistocene to Pleistocene
G12	Tonghi Granodiorite	Biotite-hornblende granodiorite: pale grey, medium to coarse grained; massive; slightly porphyritic in quartz; hornblende-bearing western half and hornblende-poor eastern half; I-type	Early Devonian to Early Devonian	Gx	Unnamed Silurian and Devonian granites	granitic plutons	Silurian to Devonian
G541	Tongio Tonalite	Tonalite: mid- to dark grey; fine-grained equigranular; massive; minor quartz diorite and hornblende-rich gabbro	Early Devonian to Early Devonian	Dxa	Unnamed Silurian-Devonian quartz sandstone	Quartzite: fine to medium grained, cross-bedded, graded, with clasts of silicified black shale.	Silurian to Middle Devonian
G226	Toole-Be-Wong Granodiorite	Biotite granodiorite: medium grained, sub-equigranular, abundant xenoliths; S-type	Late Devonian to Late Devonian	Jxt	Unnamed trachyte and phonolite plugs and sills	Trachyte and phonolite: grey to light brown, either plain or with diffuse spots; plugs and sills	Jurassic to Early Cretaceous
Dtt	Toombullup Ignimbrite	Recrystallized rhyolitic/rhyodacitic ignimbrite: coarse; abundant phenocrysts of quartz, feldspar, biotite, garnet and, locally, enstatite; schlieren of granodiorite porphyry occur; contains lithic fragments of hornblende granodiorite.	Late Devonian to Late Devonian	Sy3	upper sandstone unit	Quartzitic sandstone, mudstone: pale grey to white to green, fine to medium-grained; deep-marine turbidite fan deposits.	Llandovery to Llandovery
G427	Torah Granodiorite	Biotite granodiorite: foliated, fine to medium grained, light grey, equigranular; accessory magnetite and epidote; weakly magnetic	Middle Cambrian to Early Ordovician	G259	Vereker Granite	Leucocratic granite: medium to coarse grained; with garnet and cordierite; S-type	Middle Devonian to Middle Devonian
Nt	Torquay Group	Marlstone, limestone, mudstone, sandstone, minor lignite	Oligocene to Miocene	Di2	Violet Town Volcanic Group - rhyodacite	Rhyodacite: ignimbrite; phenocrysts of orthoclase, euhedral quartz, plagioclase, biotite and uncommon enstatite, cordierite and garnet in a microgranular groundmass of quartz and feldspar; recrystallization commonly obliterates eutaxitic fabric; sedimentary xenoliths common near the base.	Late Devonian to Late Devonian
G573	Touzells Granodiorite	Biotite granodiorite: dark grey, medium grained, minor amphibole; equigranular interior and porphyritic margin; I-type; moderately magnetic	Wenlock to Pridoli	Di1	Violet Town Volcanic Group - rhyolite	Rhyolite: ignimbrite; phenocrysts of orthoclase and euhedral quartz in a fluidal groundmass containing cordierite, garnet and biotite.	Late Devonian to Late Devonian
Syt	Towanga Sandstone	Sandstone, siltstone, minor conglomerate: sandstone: thick to thin bedded; quartzarenite; interbedded with siltstone.	Telychian to Telychian	G95	Wabba Granite	Biotite-muscovite granite: grey, medium to coarse grained; includes both fine grained and coarse grained porphyritic areas; S-type; nonmagnetic	Wenlock to Pridoli
-Cst	Towanway Tuff	Dacitic crystal lithic volcanic sandstone; minor laminated chert and volcanic siltstone	Early Cambrian to Late Cambrian	-Cxb	Wahroonga Breccia	Sandstone, breccia: green-grey; massive to well-bedded; medium to very thick-bedded; phosphatic; abundant lithic clasts; contains brachiopod and phyllocarid fossils	Middle Cambrian to Late Cambrian
Nept	Tower Hill Tuff	Pyroclastic rocks with basaltic and sedimentary clasts; ash and lapilli with scattered blocks and bombs; well layered with planar planar to diffuse bedding; common cross-bedding and climbing ripples	Pleistocene to Holocene	G520	Wakefield Granite	Biotite granite: pink, coarse grained, massive; slightly porphyritic in K-feldspar; numerous microgranite and mafic dykes	Early Devonian to Early Devonian
G58	Towzer Creek Granite	Biotite-muscovite-andalusite granodiorite: medium-grained; foliated with numerous schistose enclaves; S-type	Silurian to Devonian	Dn	Walhalla Group	Sandstone, mudstone, minor conglomerate; marine turbidites and mass-flow deposits	Emsian to Emsian
G311	Trawalla Granite	Biotite granite: cream to pink, felsic, porphyritic; dominated by mildly perthitic K-feldspar crystals up to 25mm	Middle Devonian to Late Devonian	G107	Wallaby Granite	Biotite granite: leucocratic; medium-grained; with muscovite, tourmaline and minor garnet; mostly weathered with some small corestones of fresh granite	Llandovery to Wenlock
DSxr	Trendale Formation	Quartz-feldspar ignimbrite, ashstone, sandstone, siltstone, mudstone	Lochkovian to Pragian				

Ordered by Name

Code	Name	Description	Age
G421	Wando Tonalite	Biotite-hornblende tonalite: foliated, grey, fine to medium grained, equigranular; accessory magnetite, epidote, sphene and allanite; enclaves are hornblende-biotite microgranitoid types; magnetic	Middle Cambrian to Early Ordovician
G6	Wangarabell Granodiorite	Hornblende-biotite granodiorite: grey, medium grained, massive to foliated with thin mylonite zones; slightly porphyritic in abundant plagioclase; accessory sphene and magnetite; I-type	Early Devonian to Early Devonian
-Pw	Wangerrip Group	Silty clay, clayey silt, fine quartz sand: carbonaceous, micaceous, pyritic, burrowed, with abundant arenaceous foraminifers, minor calcareous foraminifers and shelly fossils; shallow marine (below and close to storm wave base) deposits	Paleocene to Eocene
Sxw	Wapentake Formation	Sandstone and siltstone: fine to medium-grained quartz sandstone with weathered siltstone interbeds; minor large channels, ripple drift, swaley cross-laminations and burrows; distal continental shelf deposits.	Sheinwoodian to Sheinwoodian
Dxr	Waranga Formation	Claystone: pale grey, extensively burrowed; interbedded siltstone and turbiditic fine- to medium-grained sandstone; thinly bedded, commonly burrowed; with parallel, convolute and ripple drift cross laminations; lower-fan turbidite deposits	Early Devonian to Early Devonian
G61	Waratah Flat Granite	Hornblende granite: coarse grained; green.	Silurian to Devonian
Dxw	Waratah Limestone	Limestone: massive, mid-grey; recrystallized	Lochkovian to Pragian
Obw	Warbisco Shale	Shale: black, siliceous, very rich in graptolites; minor white quartzitic sandstone which is up to ~2m thick.	Gisbormian to Bolindian
G235	Warburton Granodiorite	Biotite granodiorite: fine grained, equigranular; medium grey	Late Devonian to Late Devonian
G203	Warby Springs Granite	Biotite-cordierite granite: grey, medium grained; slightly porphyritic in K-feldspar, has minor garnet; S-type; nonmagnetic.	Late Devonian to Late Devonian
-Caw	Warrak Formation	Sandstone, interbedded siltstone and shale: deep water; unfossiliferous; sandstones are immature quartzwacke to feldspathic greywacke; mostly grade up into green to brown siltstone; thick blue to black carbonaceous mudstone beds common; fine grained Tbc sandstone beds with cross-laminations, sedimentary slump folds, and carbonate concretions; thin, interbedded Tcd sandstone and siltstone beds form packages up to 15m thick.	Late Cambrian to Late Cambrian
-Cjm	Warrambat Andesite Breccia	Andesite breccia, massive, vesicular andesite lava.	Cambrian to Cambrian
Skmw	Wartook Sandstone	Sandstone: pale, fine to coarse-grained quartz to quartzo-feldspathic with scattered and lag horizons of sub-rounded vein quartz pebbles towards base: laminated, cross-laminated and rarely trough cross-laminated, medium to thickly-bedded; forms prominent outcrops; minor interbeds of quartz siltstone	Ludlow to Early Devonian
Qhw	waste deposits	Clayey silt containing organic and non-organic material; land fill of various kinds.	Holocene to Holocene
G502	Watchmaker Granodiorite	Biotite granodiorite: medium to coarse-grained; K-feldspar rich; I-type	Silurian to Devonian
Skrw	Watgania Gap Sandstone	Sandstone and siltstone: sandstone coarse, quartzo-feldspathic, massive to planar laminated or trough-cross bedded; siltstone laminated, occurs as thin beds	Late Ordovician to Ludlow
G84	Wattle Grove Granite	Muscovite-biotite granite: grey; medium-grained; foliated, margins rich in metasedimentary enclaves	Llandovery to Wenlock
G345	Wedderburn Granodiorite	Biotite and biotite-hornblende granodiorite; porphyritic; marginal outcrops contain enclaves of feldspar-hornblende porphyry; nonmagnetic inner phase surrounded by magnetic phase	Early Devonian to Early Devonian
G24	Weeragua Granodiorite	Biotite-hornblende granodiorite: medium grained, slightly porphritic; I-type	Llandovery to Early Devonian
Daw	Wellington Volcanic Group	Rhyolite and rhyodacite ignimbrite, sedimentary units.	Givetian to Frasnian
G429	Wennicott Tonalite	Biotite tonalite: foliated, bluish-grey, medium grained, equigranular; accessory magnetite and epidote; rare hornblende-rich microgranitoid enclaves; migmatite enclaves common near western boundary.; non-magnetic	Middle Cambrian to Early Ordovician
-Pxe	Werribee Formation	Sand, silt, clay, gravel in variable proportions: generally white to pale grey; in part carbonaceous, pyritic; ferruginous bands common; contains Cinnamomum flora	Eocene to Miocene
G338	Wescotts Granite	Leucocratic granite: medium to coarse grained; very poorly exposed	Early Devonian to Middle Devonian
Nxa	Whalers Bluff Formation	Bioclastic calcarenite with lenses of foraminiferal clay, shelly clay and marl; quartz sand near the base.	Pliocene to Pliocene
-Cjs	Whisky Knob Rhyolite	Rhyolite lava, minor rhyolitic volcanics: lava pale green-grey; quartz-phyric; with intercalated crystal-rich sandstone.	Cambrian to Cambrian
-Pxh	White Hills Gravel	Vein quartz conglomerate, sand, silt, clay in fluvial braid plain, outwash fan and colluvial deposits; typically compositionally mature, with ubiquitous well-rounded pebbles and cobbles of reef quartz, lesser more angular vein quartz and bedrock clasts; moderately to well sorted, massive to crudely stratified, cross-bedded and channelled; richly auriferous in places; variably ferruginised, silicified or kaolinised	Paleocene to Oligocene
Dh	White Monkey Volcanic Group	Felsic ignimbrite, minor conglomerate, sandstone	Early Devonian to Early Devonian
G389	White Rabbit Diorite	Biotite-hornblende-quartz diorite: pale grey; medium grained; contains pyroxene; oxidised, highly magnetic	Early Devonian to Early Devonian
Dnw	White Star Formation	Sandstone, siltstone: sandstone pale grey; thick to thin-bedded; Tabc, Tbc and Tc turbidites; quartz-rich; medium to fine-grained; siltstone dark grey to black; thin-bedded, well laminated to shaly	Early Devonian to Early Devonian
G530	Whitegum Tonalite	Biotite - minor hornblende tonalite: grey, medium grained, massive; conspicuous quartz grains; mafic inclusions and porphyritic dykes; I-type	Early Devonian to Early Devonian

Code	Name	Description	Age
Sjw	Whitelaw Siltstone	Siltstone, minor sandstone: siltstone dark grey; generally finely banded and bioturbated; uppermost portion often without lamination; rare mass-flow deposits with shelly fossils; sandstone thin to very thin-bedded; pale; quartzitic	Ludlow to Pragian
G623	Whitimaria Granite	Leucocratic muscovite granite: pale grey, medium grained; very poorly exposed	Early Devonian to Early Devonian
-Puw	Whitlands Volcanic Group	Basalt lava flows: basanite, alkali olivine basalt, hawaiite and olivine tholeiite.	Lutetian to Priabonian
-Cxi	Wild Dog Chert	Chert: dark grey; massive to bedded; contains radiolaria.	Late Cambrian to Early Ordovician
Dww	Wild Horse Formation	Conglomerate, sandstone, rare mudstone: quartz conglomerate fine-grained with minor component of larger lithic pebbles; crudely bedded to thick-bedded; includes very coarse to coarse sandstone of same composition; tabular(?) cross bedding; channel forms; rare thin interbeds of fine-grained sandstone and mudstone	Early Devonian to Early Devonian
Dsba	Wilkinson Creek Conglomerate	Sedolithic conglomerate, breccia; pebbles of quartzite, sandstone, minor granite, shale, chert; minor medium to coarse grained sandstone; poorly bedded; pebbly sandstone interbeds	Lochkovian to Pragian
-Cow	Williamsons Road Serpentine	Serpentine: serpentine-chromite-quartz-magnetite rock; highly magnetic	Cambrian to Cambrian
Dmw	Willimigongong Ignimbrite	Enstatite-feldspar rhyodacite with high phenocryst content: dark grey; mostly recrystallised but some layers contain abundant lithic fragments including: basalt, siltstone, and glassy felsic volcanic rock	Late Devonian to Late Devonian
Sji	Wilson Creek Shale	Pyritic black shale, siltstone: black; laminated to thick-bedded; sparsely fossiliferous with plant fossils and graptolites	Pragian to Pragian
G260	Wilsons Promontory Granite	Biotite granite: coarse grained, porphyritic; with some garnet; S-type.	Middle Devonian to Middle Devonian
Dsbb	Windarra Formation	Sedolithic and volcanolithic conglomerate, sandstone, mudstone: poorly bedded; alluvial fan deposits; hornblende andesite, rhyolite and quartz latite lava; lava flows	Lochkovian to Pragian
Nxl	windblown silt	silt, fine-grained sand	Pliocene to Pleistocene
G9	Wingan Granite	Granite: magnetic; I-type	Early Devonian to Early Devonian
-Pww	Wiridjil Gravel	Quartz sand, silt, clay, pebbles, rare clay clasts; pebbles mostly dispersed, less commonly in horizontal layers; cohesive, sorting mostly very poor, rare volcanic and metamorphic lithic cobbles and pebbles; occasional large-scale tabular cross-bedding	Late Cretaceous to Paleocene
G166	Wollonaby Granite	Biotite granite: grey; medium grained; equigranular; pervasive mylonitic fabric, commonly S-C fabric; non magnetic; I-type	Llandovery to Pridoli
Dsc	Wombargo Subgroup	Ignimbrite, conglomerate and sandstone: ignimbrite pink crystal-rich quartz ignimbrite with quartzite and rhyolitic lava lithic clasts and small pumice fragments; sedimentary units: clast-supported conglomerate, bedded pebbly sandstone interbedded with massive sandstone.	Lochkovian to Pragian
Dxo	Wonga Schist	Quartz-biotite (cordierite) schist: numerous thin boudinaged quartz veins; psammite beds (1-50 cm) occasionally preserved; nonmagnetic	Cambrian to Cambrian
Ksw	Wonthaggi Formation	Lithic volcanoclastic sandstone, arkose, siltstone, minor conglomerate and coal; fluvial	Early Cretaceous to Early Cretaceous
Ywp	Woods Point Dyke Swarm	Hornblende-biotite quartz diorite and quartz monzonite, hornblende-biotite gabbro, hornblende-augite-biotite quartz gabbro, kaersutite-phlogopite peridotite, quartz and feldspar bearing porphyry; medium grained; common hydrothermal alteration; commonly weathered to orange sandy clay.	Late Devonian to Late Devonian
G261	Woolamai Granite	Biotite granite: pink coarse-grained leucocratic; contains quartz, perthite, oligoclase, biotite and accessory apatite and zircon; veins of aplite and pegmatite present locally	Late Devonian to Late Devonian
G53	Woollybutt Quartz Monzodiorite	Actinolite quartz monzodiorite: porphyritic; medium grained; dark green; pyritic; I-type.	Silurian to Devonian
Dsga	Woolshed Creek Ignimbrite	Feldspar ignimbrite: orange with a granular appearance and minor quartz phenocrysts	Pragian to Pragian
G193	Woolshed Valley Granite	Biotite-muscovite granite: coarse phenocrysts of K-feldspar, plagioclase and quartz; K-feldspar shows plagioclase overgrowths and granophyric texture with quartz	Late Devonian to Late Devonian
Dny	Woori Yallock Formation	Sandstone, siltstone, conglomerate	Early Devonian to Early Devonian
Qxw	Woorinen Formation	Dune deposits, unconsolidated; mainly red-brown siliceous silty sand, red calcareous silty clay, and sandy clay; calcareous nodules and palaeosols common; uppermost unit is mainly sand without calcareous nodules and clay matrix. Forms discontinuous chains of east-west longitudinal dunes.	Pleistocene to Holocene
G628	Woosang Granite	biotite granodiorite: S-type, reduced; medium grained; weakly porphyritic; contains cordierite	Early Devonian to Middle Devonian
-Cjr	Wrens Flat Andesite	Andesite lava, massive and pillowed.	Cambrian to Cambrian
G522	Wroxham Granodiorite	Biotite-hornblende granodiorite: grey, medium to coarse grained with abundant mafic inclusions; massive to moderately foliated; contains thin mylonite zones	Early Devonian to Early Devonian
Dskl	Wulgulmerang Volcaniclastics	Sandstone, ash, pumice rich ash, mudstone, poorly welded ignimbrite, conglomerate, breccia	Lochkovian to Pragian
Sju	Wurutwun Formation	Siltstone, with minor lithic sandstone, conglomerate, limestone lenses, black shale, chert; occasional thick conglomerate with mudstone matrix, large clasts of lithic sandstone and granulestone, chert, siltstone, basalt, limestone; limestone occurs as sharply bounded pods tens of metres across with discordant bedding.	Lochkovian to Emsian

Ordered by Name

Code	Name	Description	Age
G332	Wycheproof Granite	Biotite-muscovite granite: coarse grained, pale grey	Early Devonian to Middle Devonian
G363	Wychitella Granite	Biotite granite: I-type, oxidised; medium grained pinkish grey, with rare mafic enclaves	Early Devonian to Middle Devonian
G172	Yabba Granite aplitic phase	Aplite and pegmatite	Llandovery to Wenlock
G172	Yabba Granite gneissic phase	Gneissic granite; common enclaves of migmatitic gneiss	Llandovery to Wenlock
G172	Yabba Granite	Biotite-muscovite granite: weakly to strongly foliated; consists of quartz, perthitic K-feldspar, plagioclase, red-brown biotite and muscovite, with accessory cordierite and sillimanite; abundant metasedimentary enclaves; S-type	Llandovery to Wenlock
G177	Yackandandah Granite Equigranular Phase	Biotite granite: grey leucocratic; medium to fine-grained; equigranular; gradational boundary with G177a	Early Devonian to Early Devonian
G177	Yackandandah Granite Porphyritic Phase	Biotite-hornblende granite: grey; coarse-grained; porphyritic with phenocrysts of K-feldspar commonly aligned to form a flow fabric; rare ovoid microdiorite enclaves; gradational boundary with G177b	Early Devonian to Early Devonian
Sy	Yalmy Group	Sandstone, siltstone: thick to thin bedded; sandstone mostly quartzarenite and quartzite with some litharenite; deep-marine turbidite deposits	Llandovery to Llandovery
Qxy	Yamba Formation	Pale grey gypsite, gypsiferous clay and grey pelletal gypsum-quartz sand aggregates; locally includes grey clay with crystalline gypsum mush under black sulphide-rich mud with ephemeral salt crusts of gypsum, halite, bishofite, thenardite and mirabalite; lacustrine evaporite deposits	Late Pleistocene to Holocene
G521	Yambulla Granodiorite	Biotite granodiorite: pale grey, medium grained, massive	Early Devonian to Early Devonian
G254	Yanakie Granite	Granite, S-type	Middle Devonian to Middle Devonian
G501	Yarak Granite	Biotite-hornblende granite: felsic; porphyritic; weakly foliated; I-type	Silurian to Devonian
-Py	Yaugher Volcanic Group	Olivine basalt, tuff, microgabbro, minor sedimentary rocks	Eocene to Eocene
Dxna	Yeerung River Volcanics - porphyry	Quartz-feldspar porphyry with large phenocrysts; subvolcanic intrusive	Early Devonian to Early Devonian
Dxn	Yeerung River Volcanics	Volcanic breccia: lithic clasts of felsic lava and minor quartzite and limestone; pyroclastic or epiclastic deposit.	Early Devonian to Early Devonian
Djy	Yellingbo Porphyry	Quartz-feldspar porphyry: mid- to dark grey; large quartz and smaller feldspar phenocrysts, minor biotite in fine-grained groundmass	Late Devonian to Late Devonian
Dsgj	Yellow Waterholes Ignimbrite	Quartz-feldspar ignimbrite: small phenocrysts, pink to purple vitric matrix	Pragian to Pragian
G362	Yeungroon Granite	Leucocratic granite: S-type, reduced, pale cream to grey; coarse grained, porphyritic; plagioclase crystals to 3 cm in length; rare muscovite-rich enclaves to 5 cm diameter	Early Devonian to Middle Devonian
G18	Yoke Up Creek Granite	Leucocratic granite; pale grey, coarse grained, massive; biotite-poor	Early Devonian to Early Devonian
G277	You Yangs Granite	Hornblende granite: coarse grained, K-feldspar phyric; I-type.	Late Devonian to Late Devonian
G208	Youarang Granite	Biotite-cordierite granite: coarse-grained, porphyritic in both feldspars (K-feldspar to 40 mm, plagioclase to 30 mm), with miarolitic cavities and abundant tourmaline nodules	Late Devonian to Late Devonian
Dyay	Ythan Creek Rhyodacite	Rhyolite to rhyodacite: ignimbrite; recrystallized; contains large unbroken phenocrysts of plagioclase, small quartz, aggregates of secondary biotite in a fine devitrified groundmass; flow-banded.	Late Devonian to Late Devonian
Neay	Yungabulla Formation	Diamictic tuff, lapilli deposits: generally dark colours; massive to bedded; lapilli and blocks of trachyte, slate, sandstone vein quartz, occasional pumice in massive ash matrix; poorly consolidated to lithified	Miocene to Pliocene

