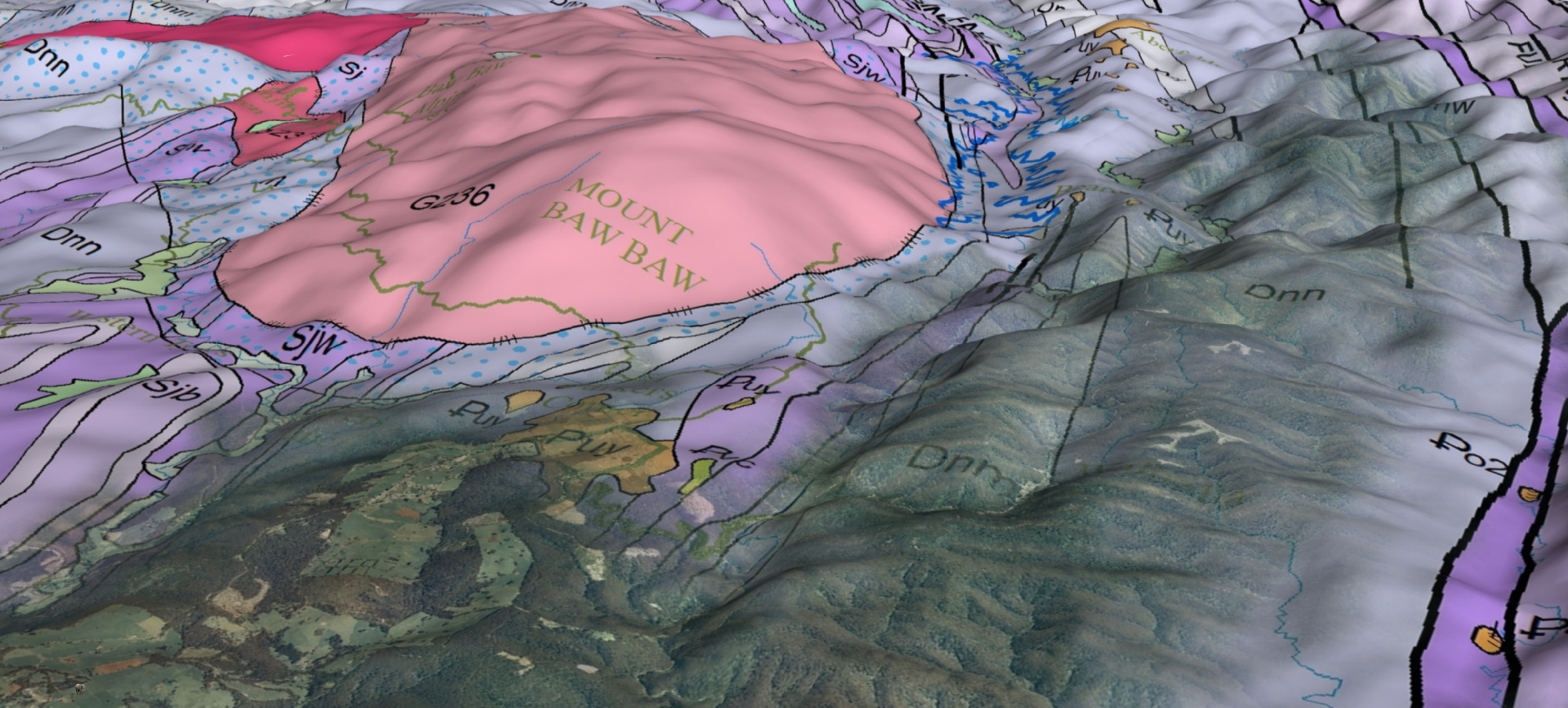

Surface Geology of Victoria
1 : 250 000

State Government Victoria AUSTRALIA
GEOLOGICAL SURVEY OF VICTORIA
DEPARTMENT OF PRIMARY INDUSTRIES
earth resources

Bibliographic reference:
Welch, S.I., Higgins, D.V., Callaway, G.A. (eds), 2011. Surface Geology of Victoria 1 : 250 000. Geological Survey of Victoria, Department of Primary Industries.

ISBN 978-1-74264-975-7 (print)
ISBN 978-1-74264-976-4 (DVD)
ISBN 978-1-74264-797-5 (online)

Report Cat. No. 38119

Keywords:
Surface Geology, map book, 1 : 250 000, 1:250000, seamless geology, GeoScience Victoria, Geological Survey of Victoria, Earth Resources

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Acknowledgements:
Seamless Geology project manager: Linda Bibby
Seamless Geology team leader: David Higgins
Cartography: Graham Callaway, Scott Welch
GIS compilation: Graham Callaway, Francisco D'Elia, John Dunleavy, David Higgins, Scott Welch
Revised geological mapping: Ross Cayley, Suzanne Haydon, Vince Morand, Fons VandenBerg, Ben Williams
Previous geological mapping: Geological Survey of Victoria 1852-2008
Database support: Philomena Manifold, Sandra McCullough, Alistair Ritchie, Bruce Simons, Jacqueline Walling

Manager, GeoScience Information: Linda Bibby
Manager, Minerals GeoScience: Peter O'Shea
Director, GeoScience Victoria: Paul McDonald

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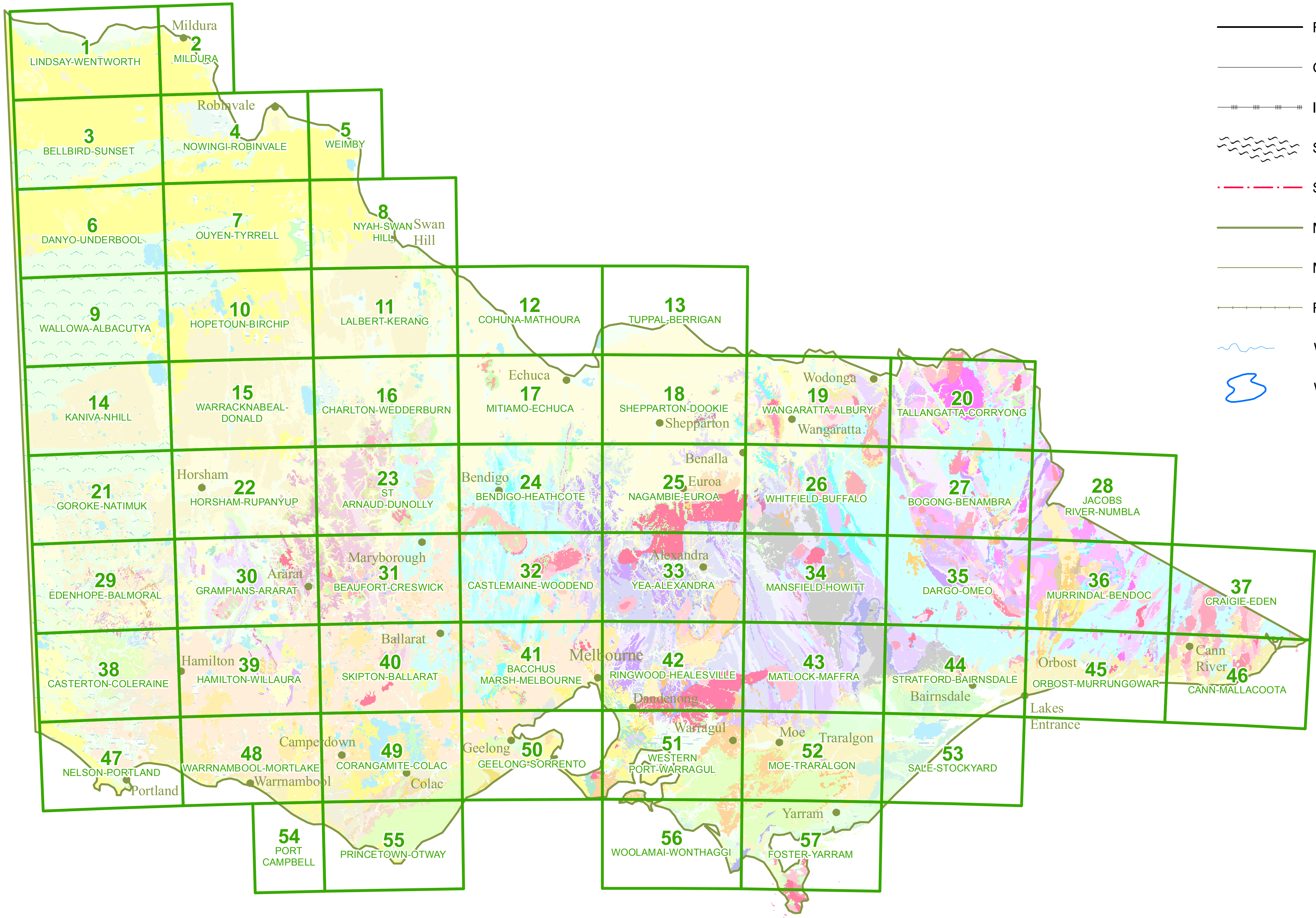

SYMBOL LEGEND

- Fault
- Geological boundary
- Intrusive contact boundary
- Shear zone
- State border
- Major road
- Minor road
- Railway
- Watercourse
- Water area

0 50 100 150 200 kilometres

MAP 1 LINDSAY-WENTWORTH

0 5 10 15 20 kilometres

1:250 000

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

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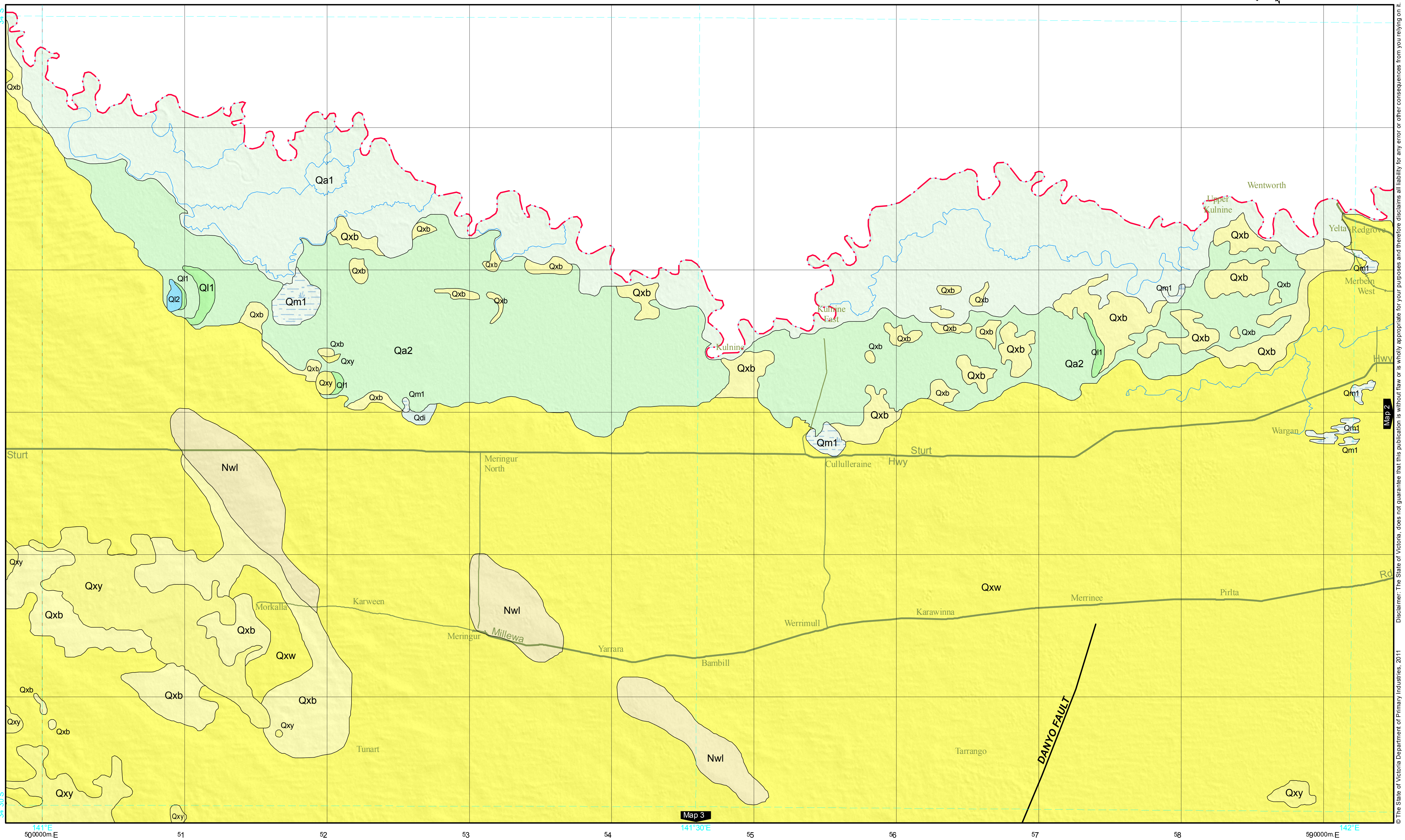

Qa1	alluvium
Qa2	alluvial terrace deposits
Qdi	source-bordering dune deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand

MAP 2 MILDURA

0 5 10 15 20 kilometres

1:250 000

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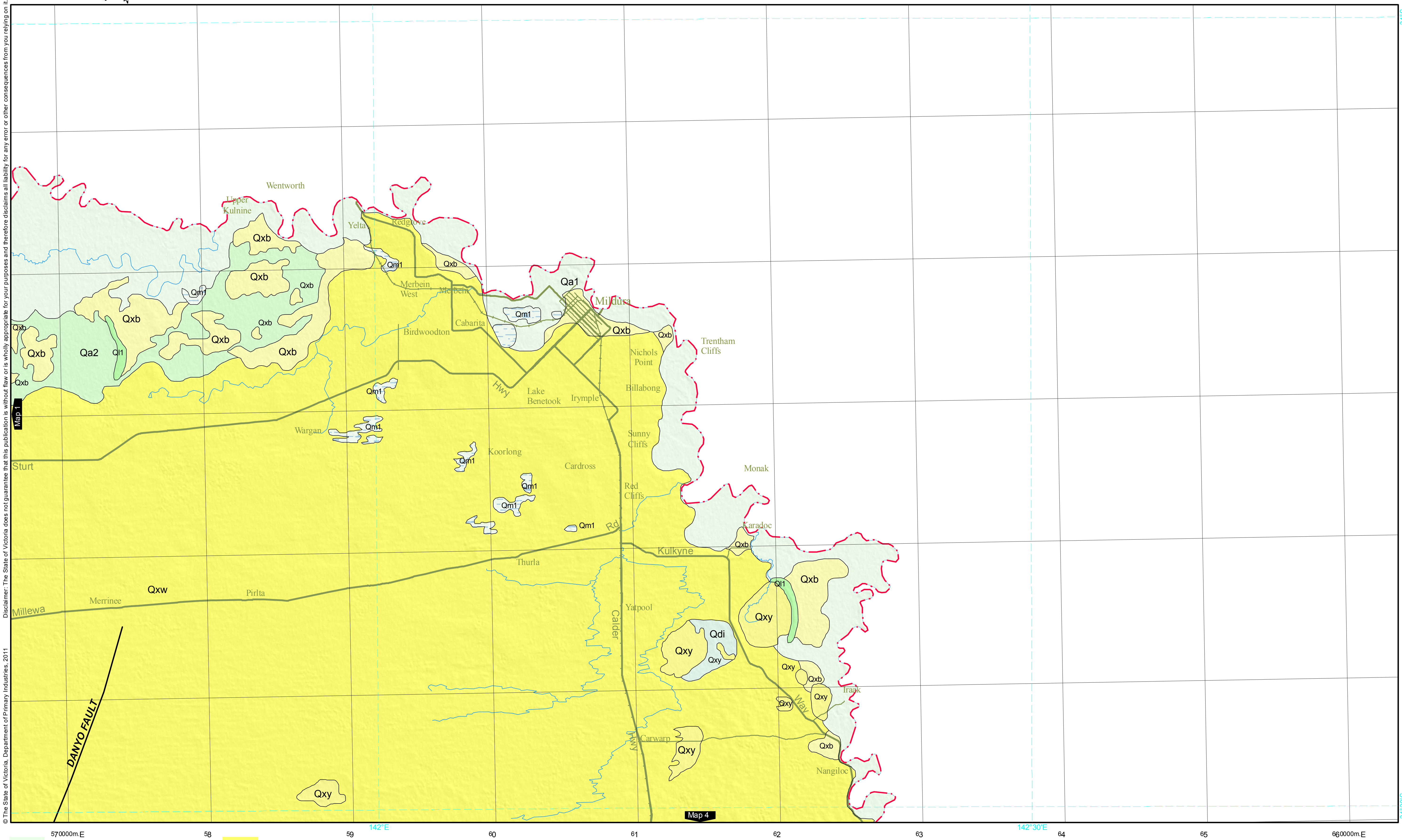

Qa1	alluvium
Qa2	alluvial terrace deposits
Qdi	source-bordering dune deposits
Ql1	lunette deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxw	Woorinen Formation
Qxy	Yamba Formation

MAP 3 BELLBIRD-SUNSET

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

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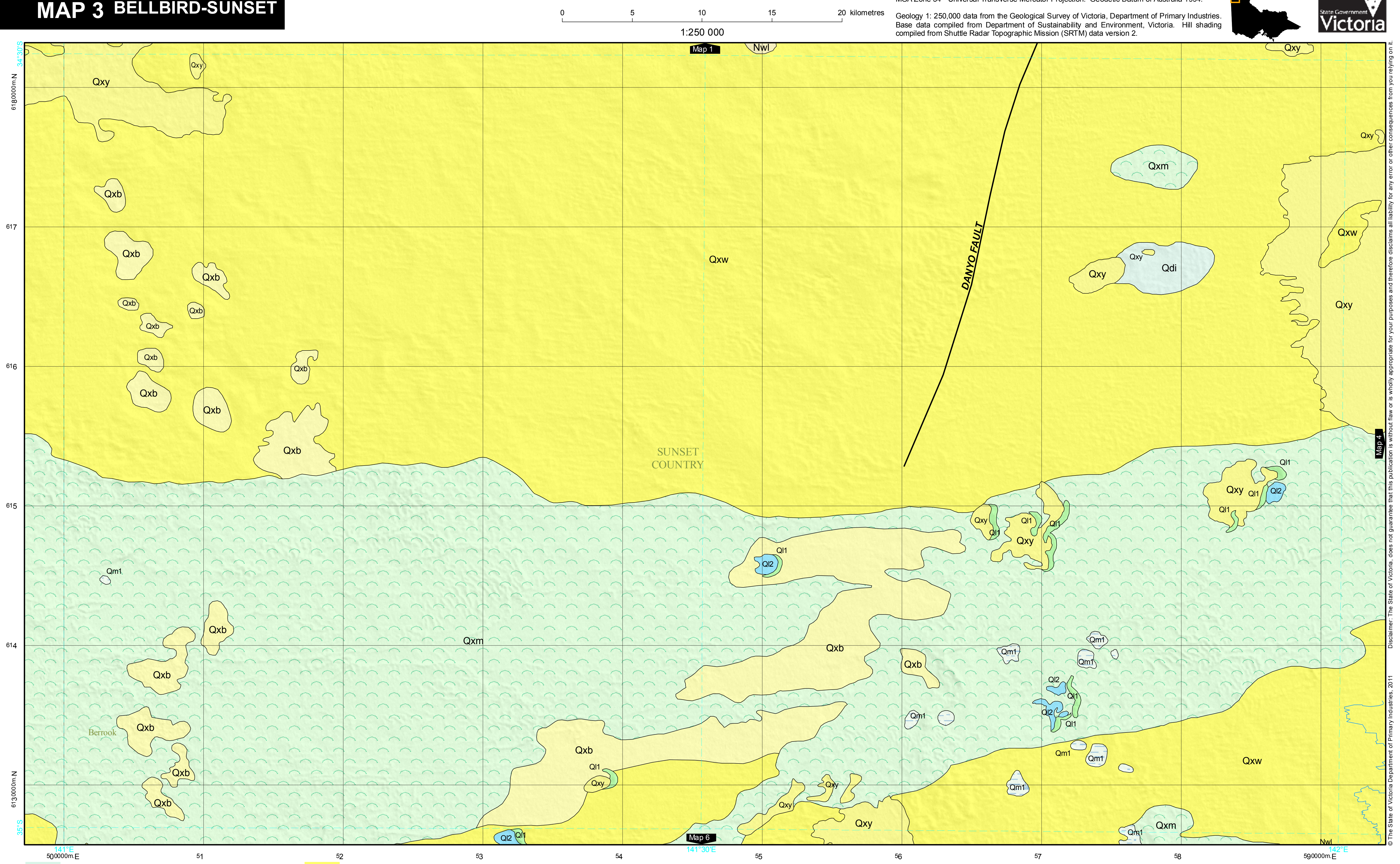

Qdi	source-bordering dune deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand

State Government Victoria

MAP 4 NOWINGI-ROBINVALE

0 5 10 15 20 kilometres

1:250 000

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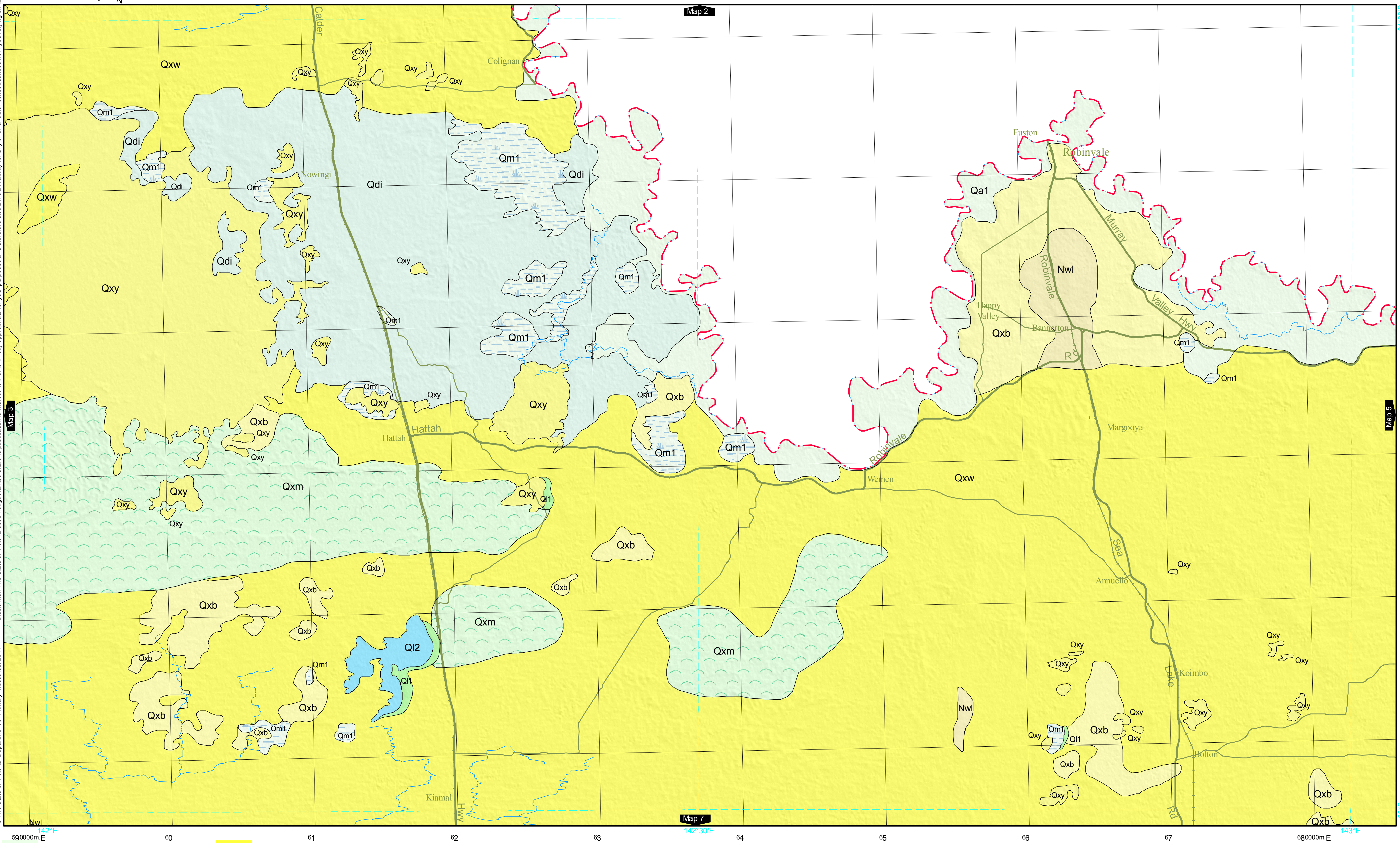

- Qa1 alluvium
- Qdi source-bordering dune deposits
- Ql1 lunette deposits
- Ql2 lake deposits
- Qm1 swamp and lake deposits
- Qxb Blanchetown Clay
- Qxm Molineaux Sand
- Qxw Woorinen Formation
- Qxy Yamba Formation
- Nwl Loxton Sand

MAP 5 WEIMBY

0 5 10 15 20 kilometres

1:250 000

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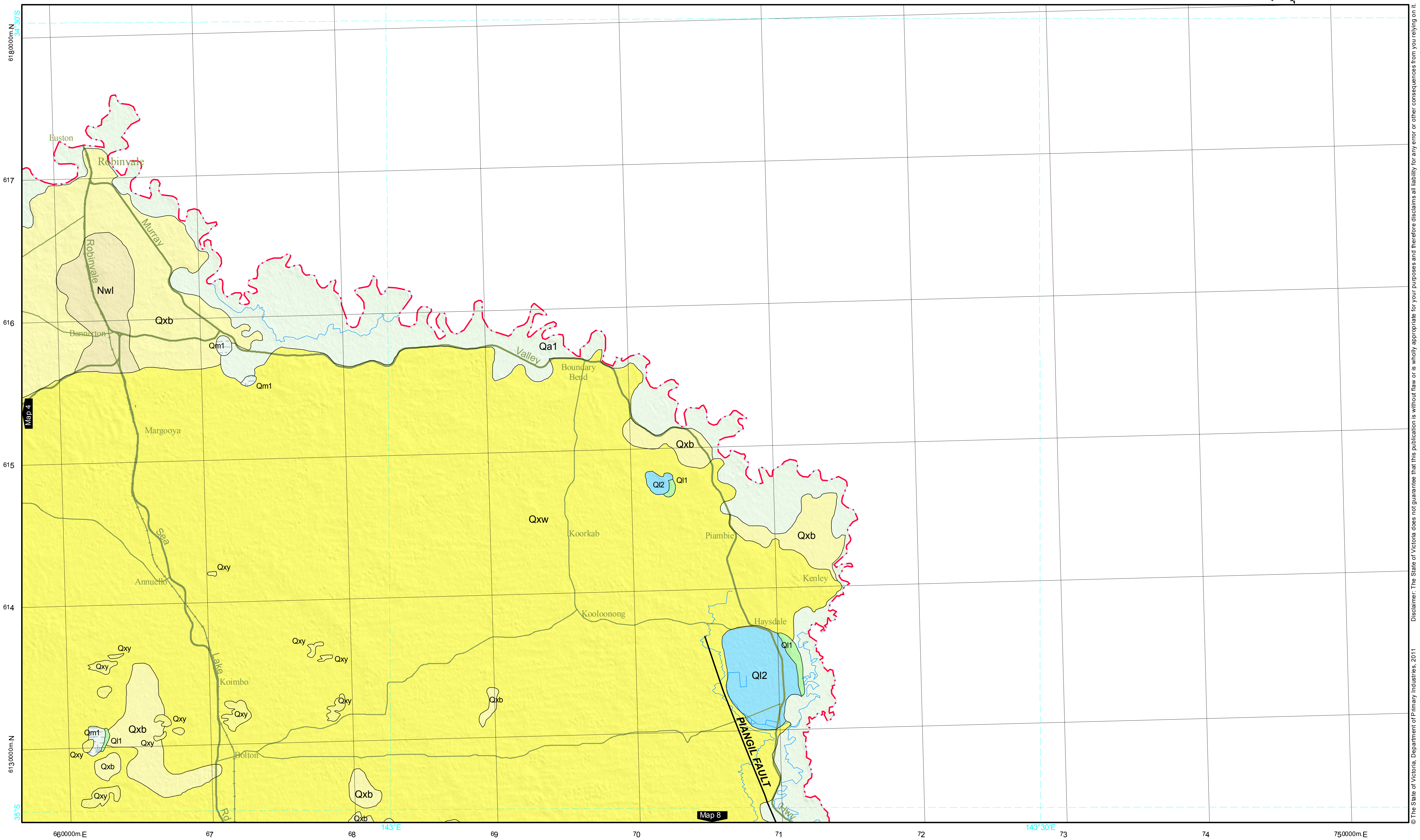

Qa1	alluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand

MAP 6 DANYO-UNDERBOOL

0 5 10 15 20 kilometres

1:250 000

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

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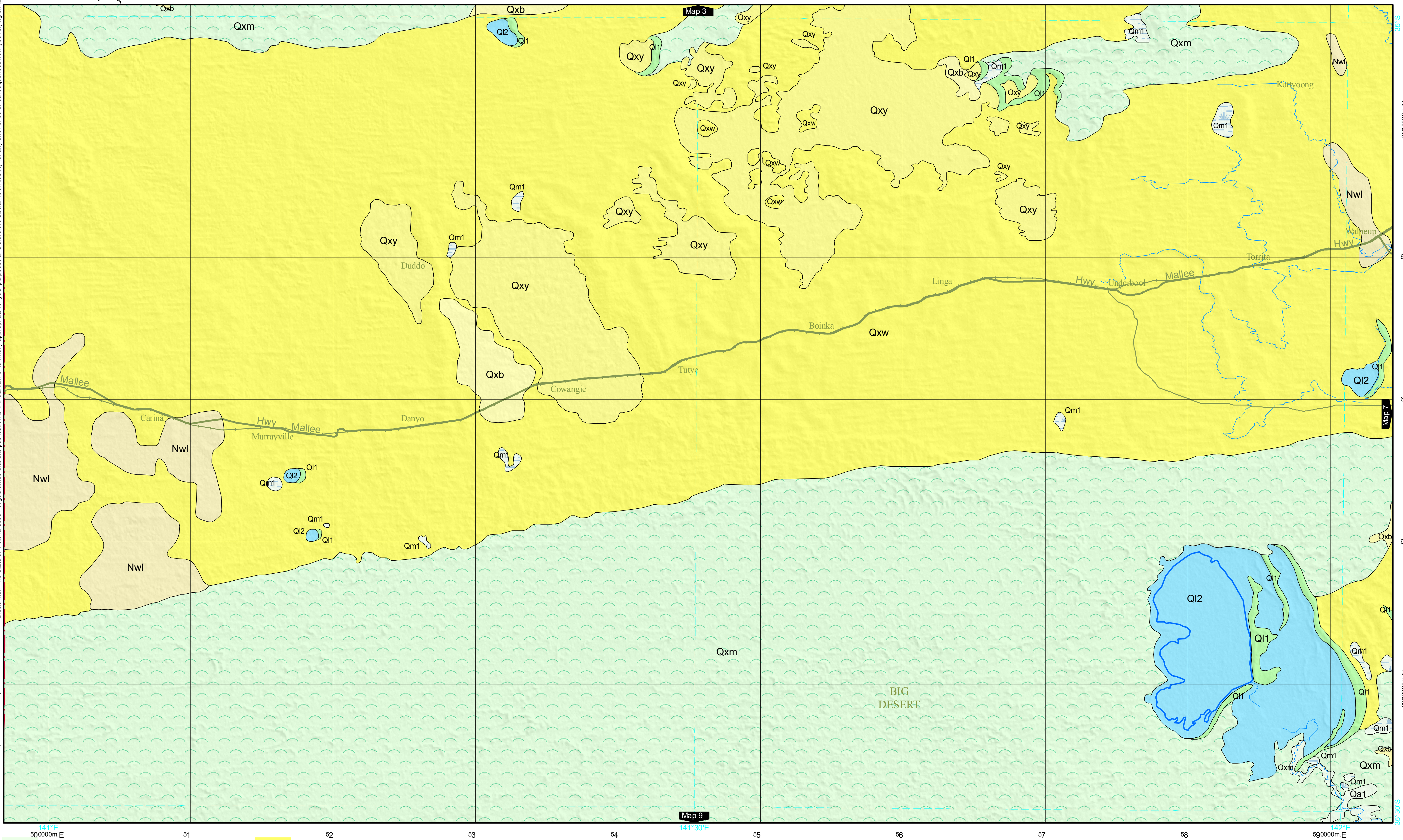


Qa1	alluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand

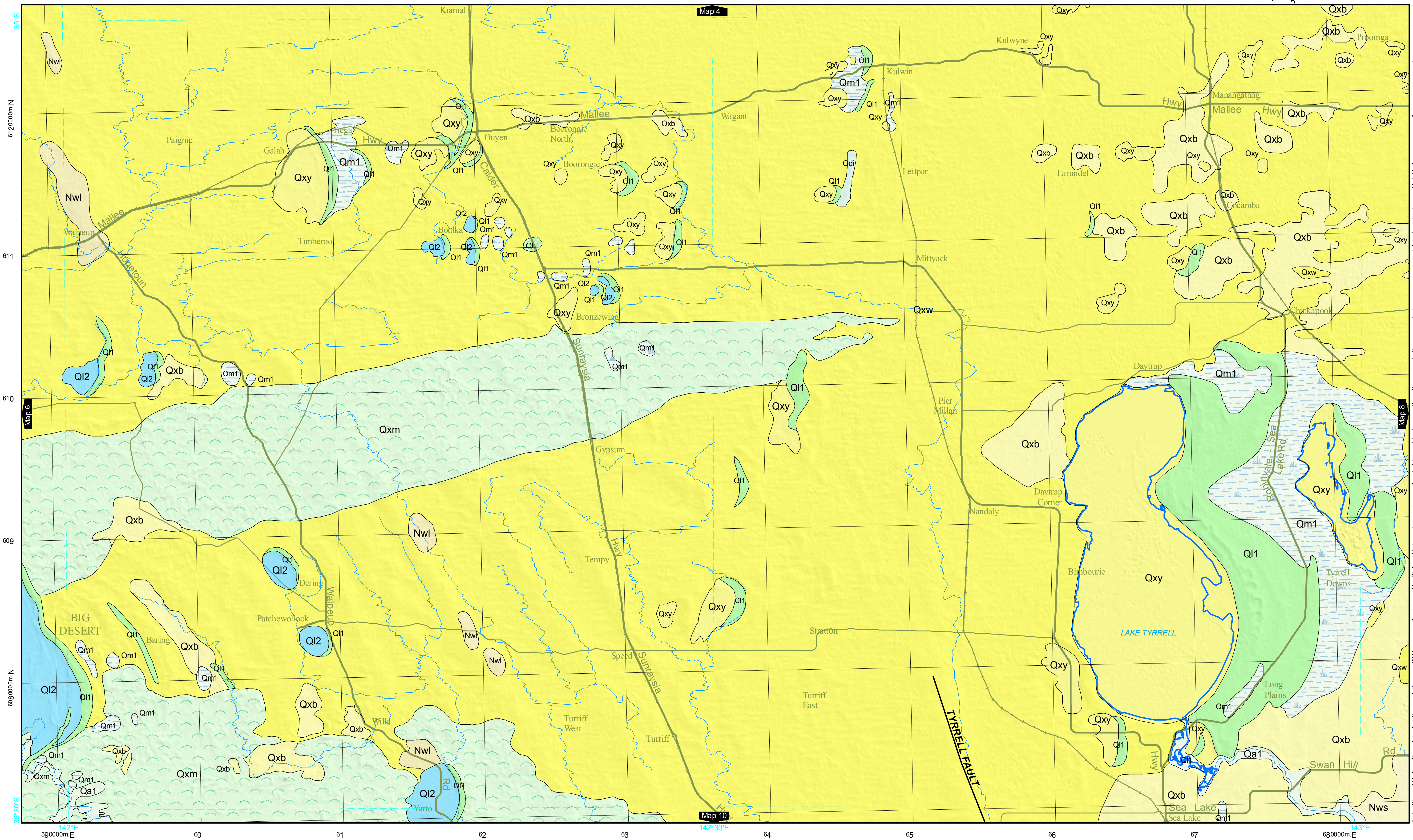
MAP 7 OUOUYEN-TYRRELL

0 5 10 15 20 kilometres

1:250000

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
- Ql — lunette and lake deposits
- Ql1 — lunette deposits
- Ql2 — lake deposits
- Qdi — source-bordering dune deposits
- Qm1 — swamp and lake deposits
- Qxb — Blanchetown Clay
- Qxm — Molineaux Sand
- Qxw — Woorinen Formation
- Qxy — Yamba Formation
- Nwl — Loxton Sand
- Nws — Shepparton Formation

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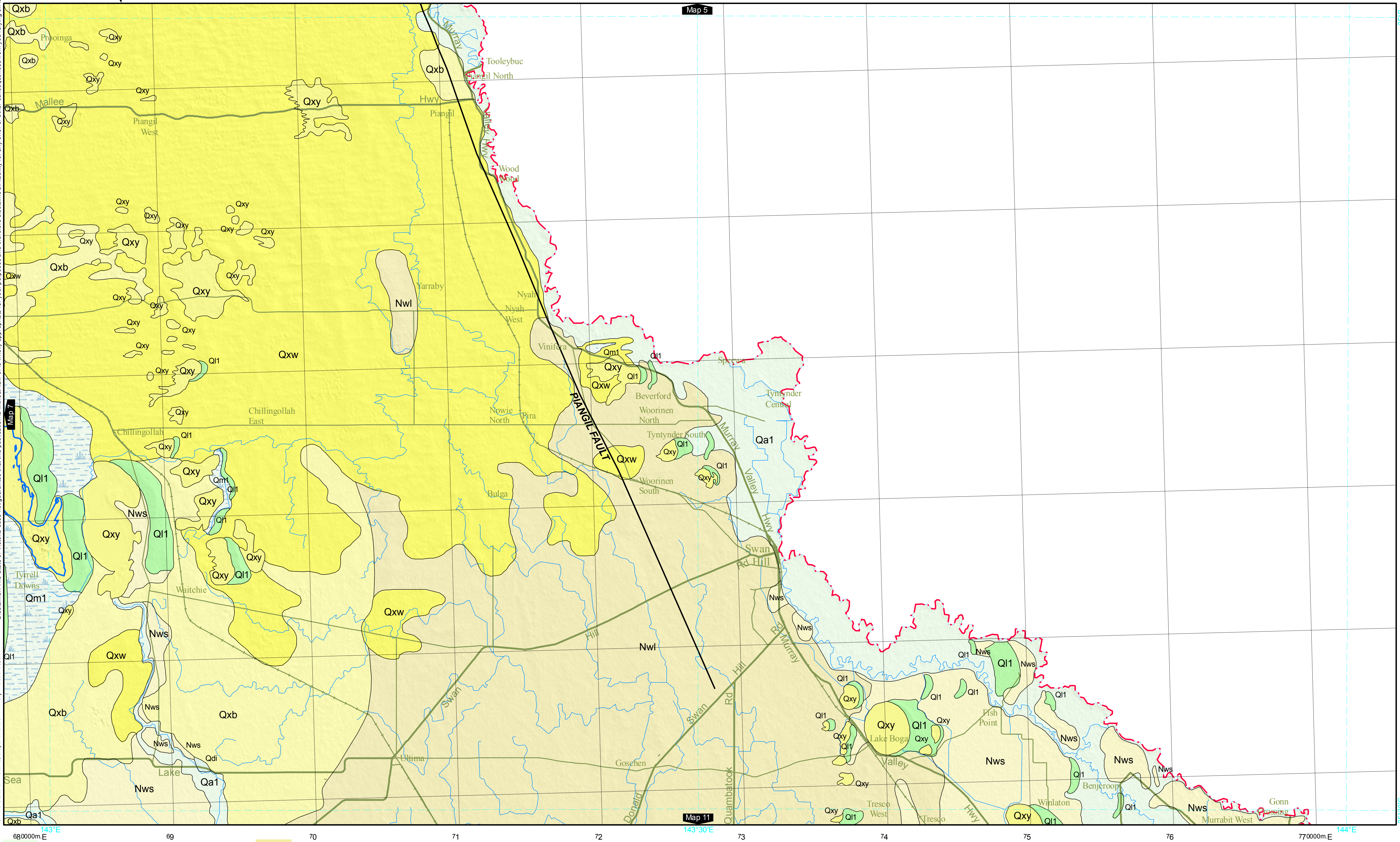
0 5 10 15 20 kilometres

1:250 000

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
Qdi	source-bordering dune deposits
Ql1	lunette deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxy	Yamba Formation
Qxw	Woorinen Formation
Nwl	Loxton Sand
Nws	Shepparton Formation

MAP 9 WALLOWA-ALBACUTYA

0 5 10 15 20 kilometres

1:250 000

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

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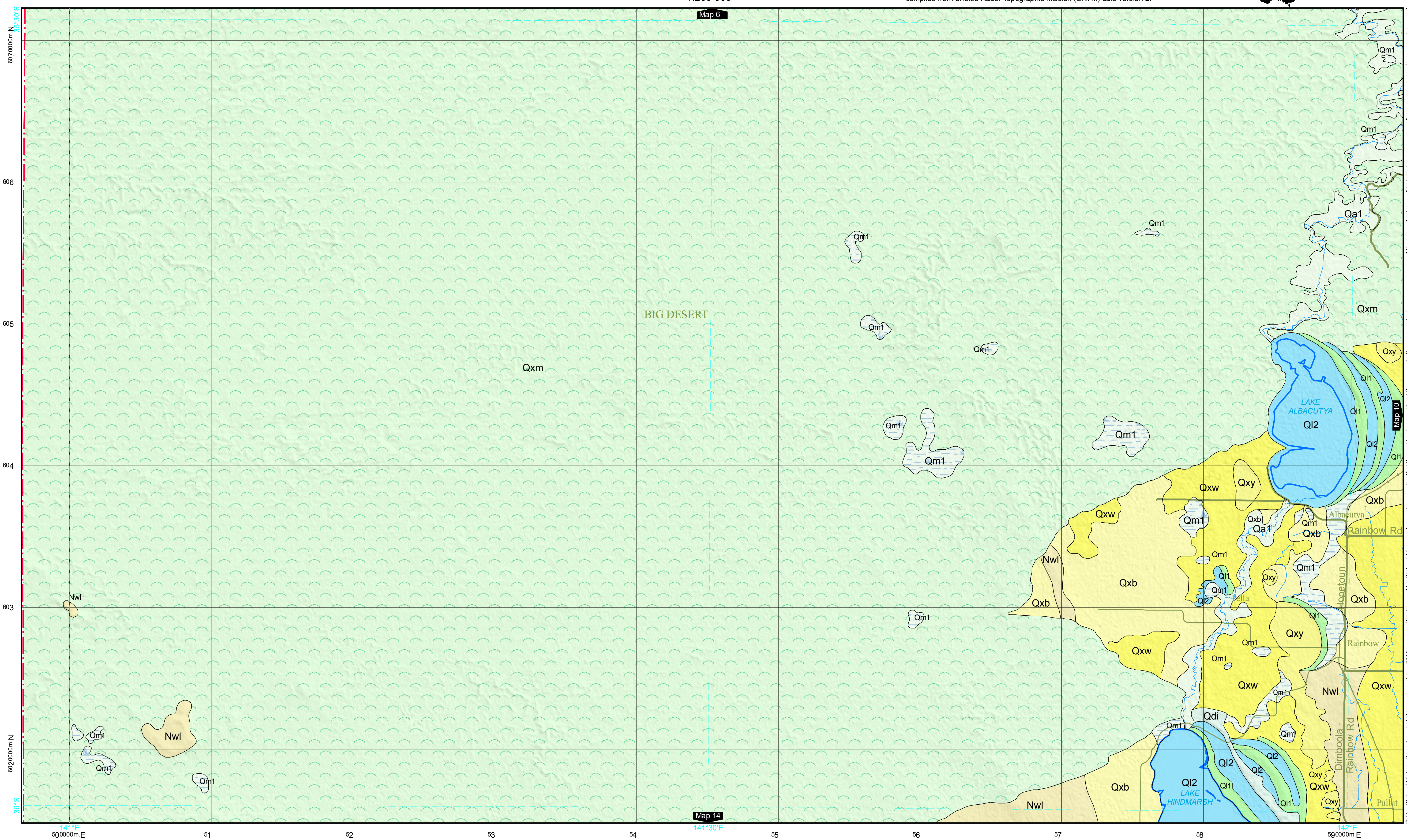

Qa1	alluvium
Qdi	source-bordering dune deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand

MAP 10 HOPETOUN-BIRCHIP

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0 5 10 15 20 kilometres

1:250 000

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

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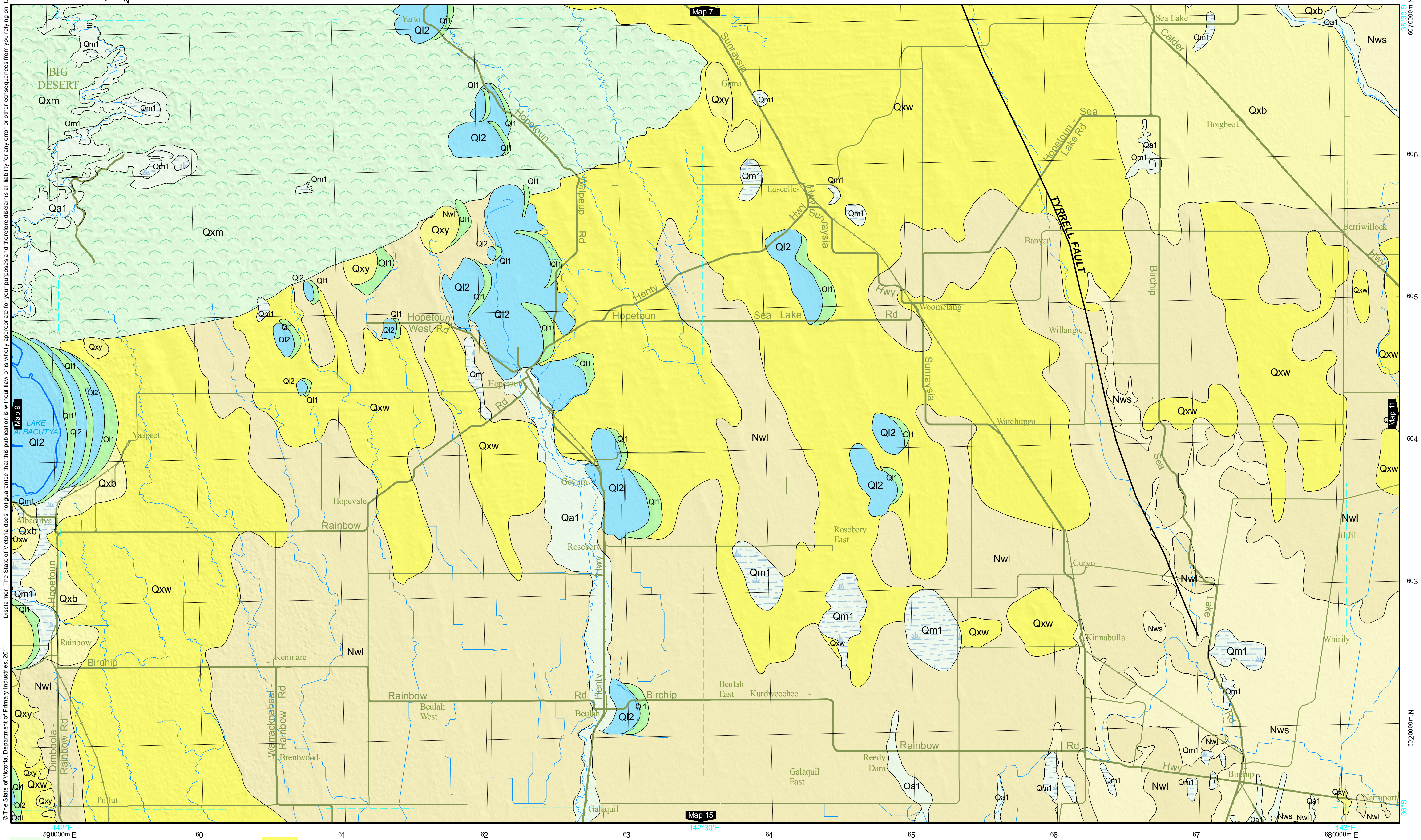

Qa1	alluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand
Nws	Shepparton Formation

MAP 11 LALBERT-KERANG

0 5 10 15 20 kilometres

1:250 000

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

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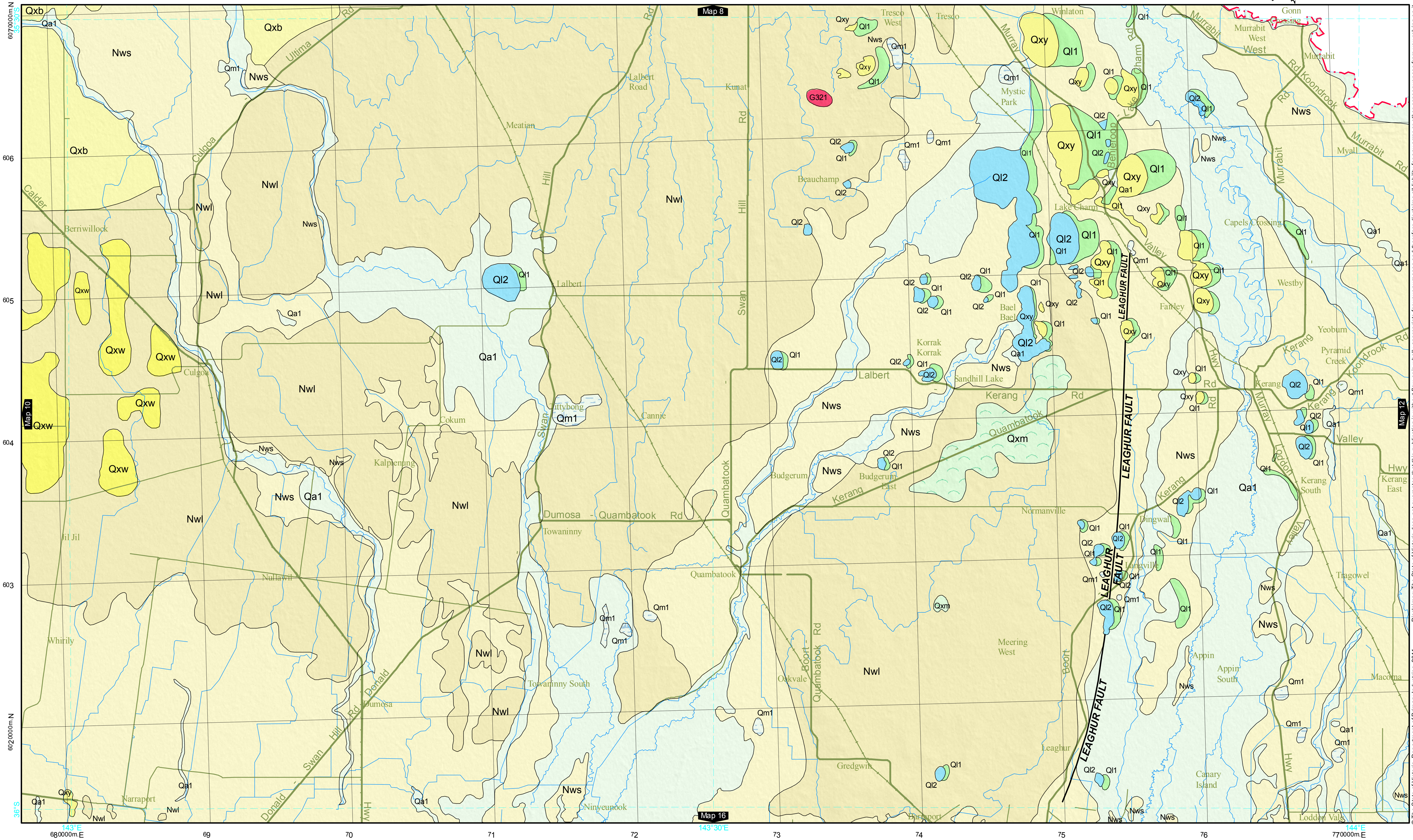

Qa1	alluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxw	Woorinen Formation
Qxy	Yamba Formation
Nwl	Loxton Sand
Nws	Shepparton Formation
G321	Lake Boga Granite

MAP 12 COHUNA-MATHOURA

0 5 10 15 20 kilometres

1:250 000

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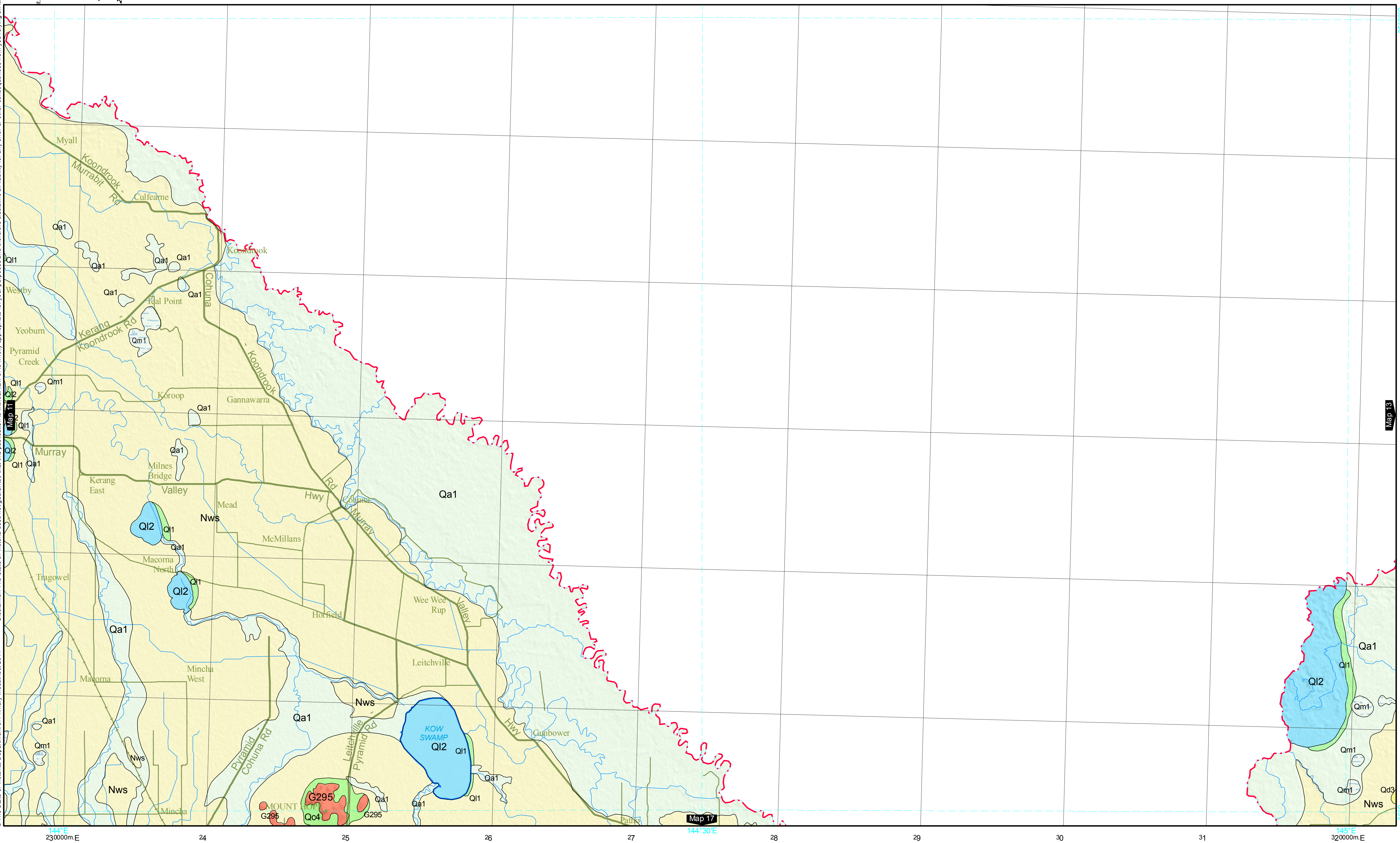

Qa1	alluvium
Qc4	granite-derived colluvium
Qm1	swamp and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Nws	Shepparton Formation
G295	Pyramid Hill Granite

MAP 13 TUPPAL-BERRIGAN

0 5 10 15 20 kilometres

1:250 000

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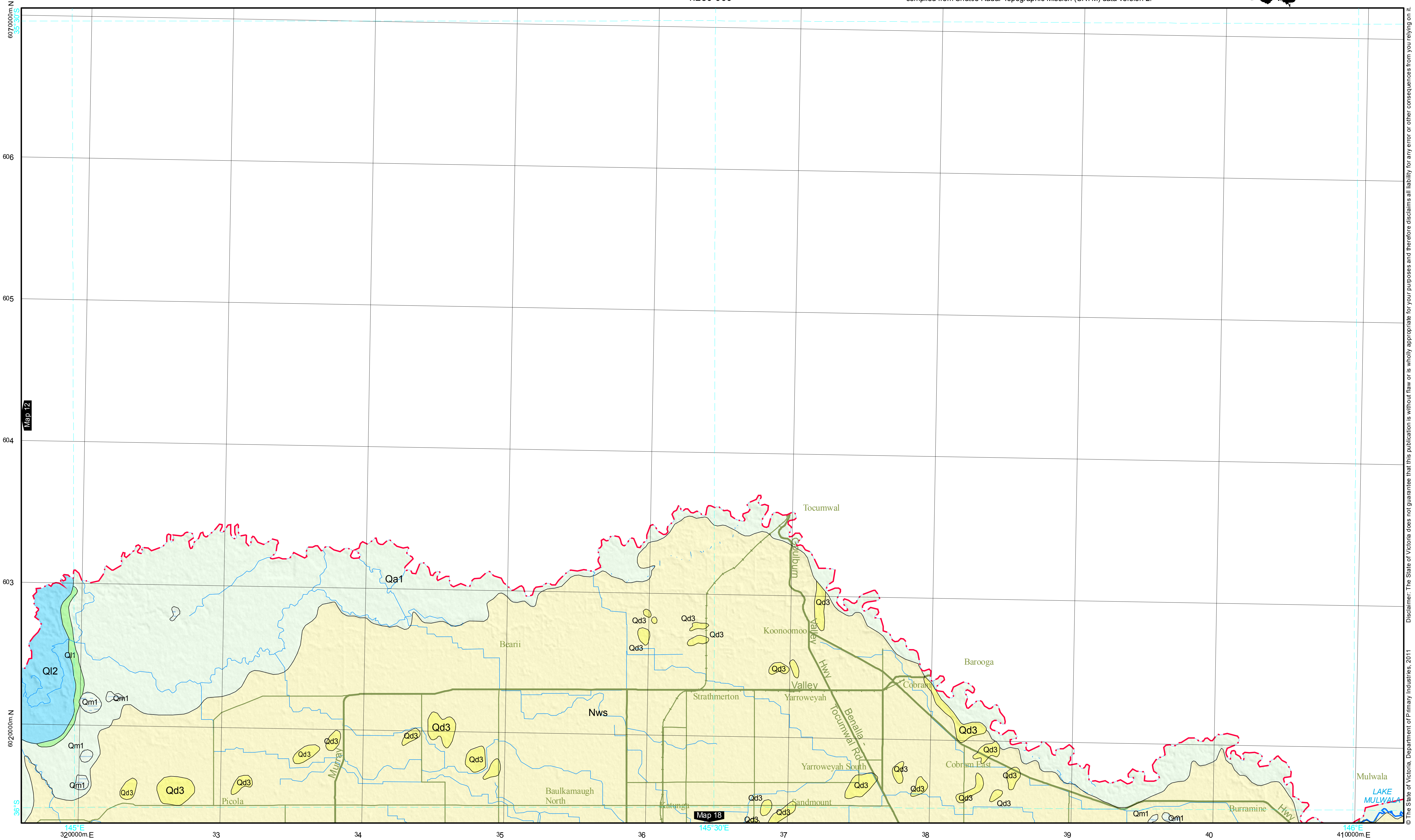

Qa1	alluvium
Qd3	clay-rich dunes
Ql1	lunette deposits
Qm1	swamp and lake deposits
Nws	Shepparton Formation

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0 5 10 15 20 kilometres

1:250 000

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

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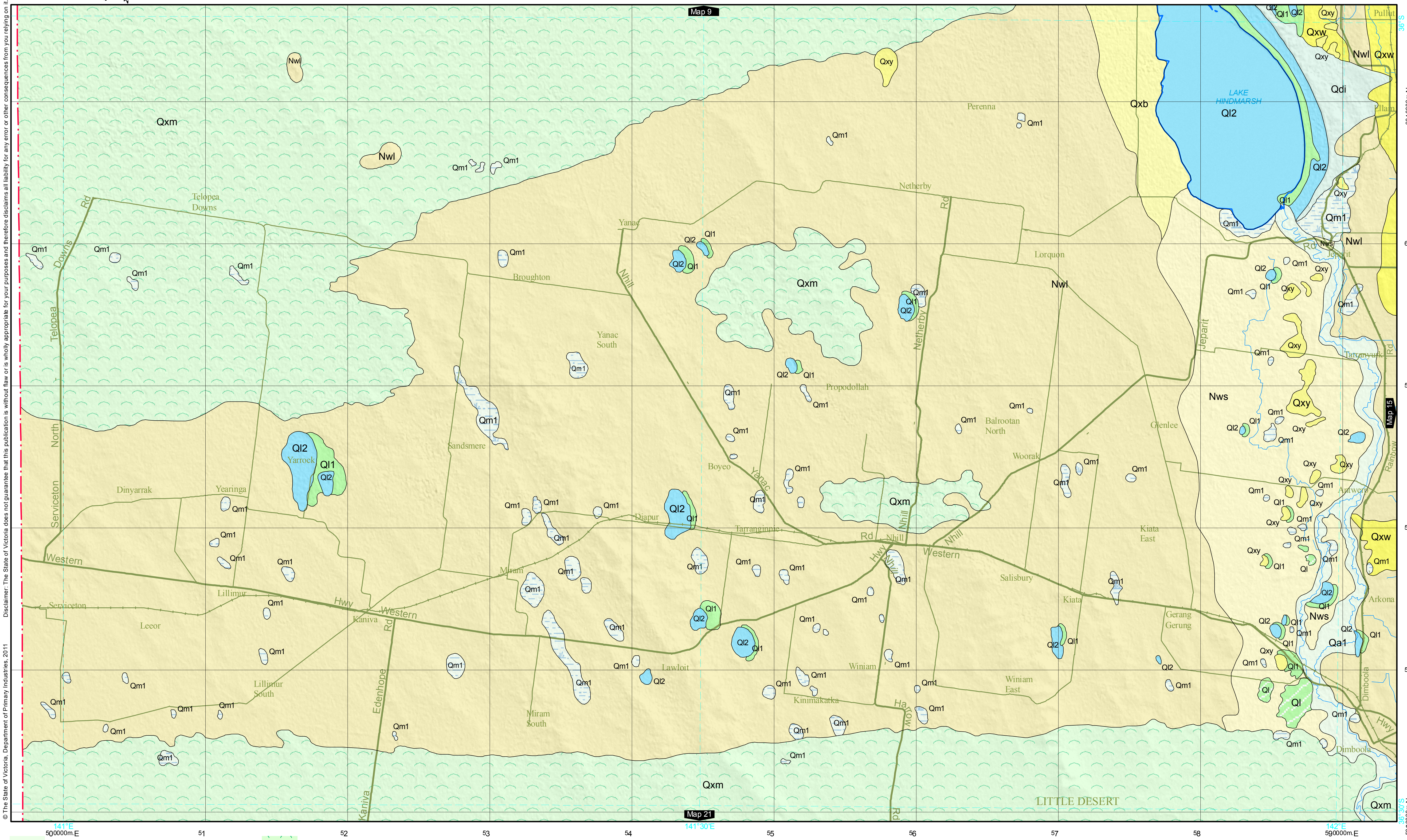
MAP 14 KANIVA-NHILL



Qa1	alluvium
Qdi	source-bordering dune deposits
Ql	lunette and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxb	Blanchetown Clay
Qxm	Molineaux Sand
Qxy	Yamba Formation
Qxw	Woorinen Formation
Nwl	Loxton Sand
Nws	Shepparton Formation

MAP 15 WARRACKNABEAL- DONALD

0 5 10 15 20 kilometres

1:250 000

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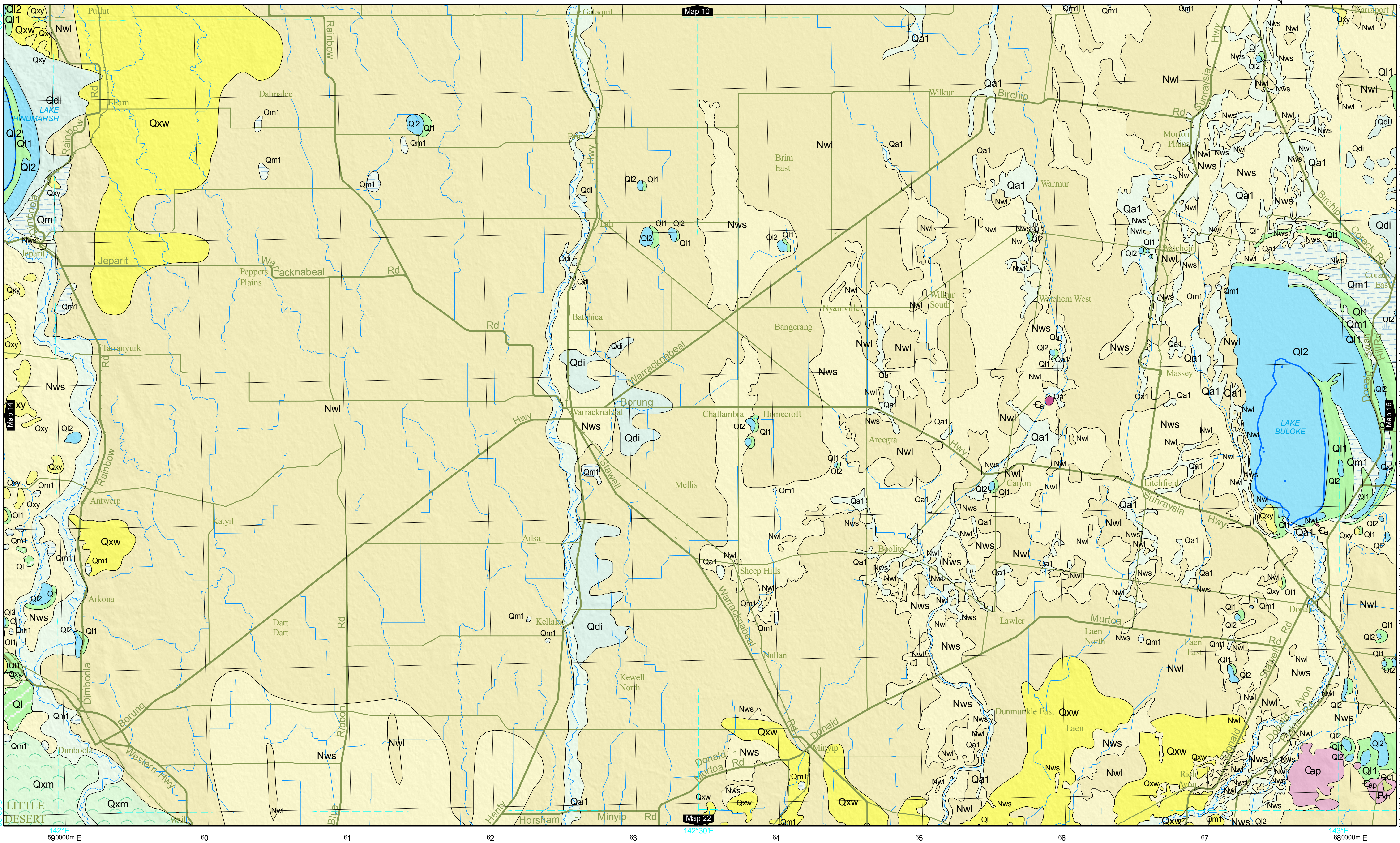

Qa1 alluvium

Ql1 lunette deposits

Ql2 lake deposits

Qdi source-bordering dune deposits

Qm1 swamp and lake deposits

Qxm Molineaux Sand

Qxw Woorinen Formation

Qxy Yamba Formation

Nwl Loxton Sand

Nws Shepparton Formation

-Ca St Arnaud Group

-Cap Pyrenees Formation

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0 5 10 15 20 kilometres

1:250 000

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

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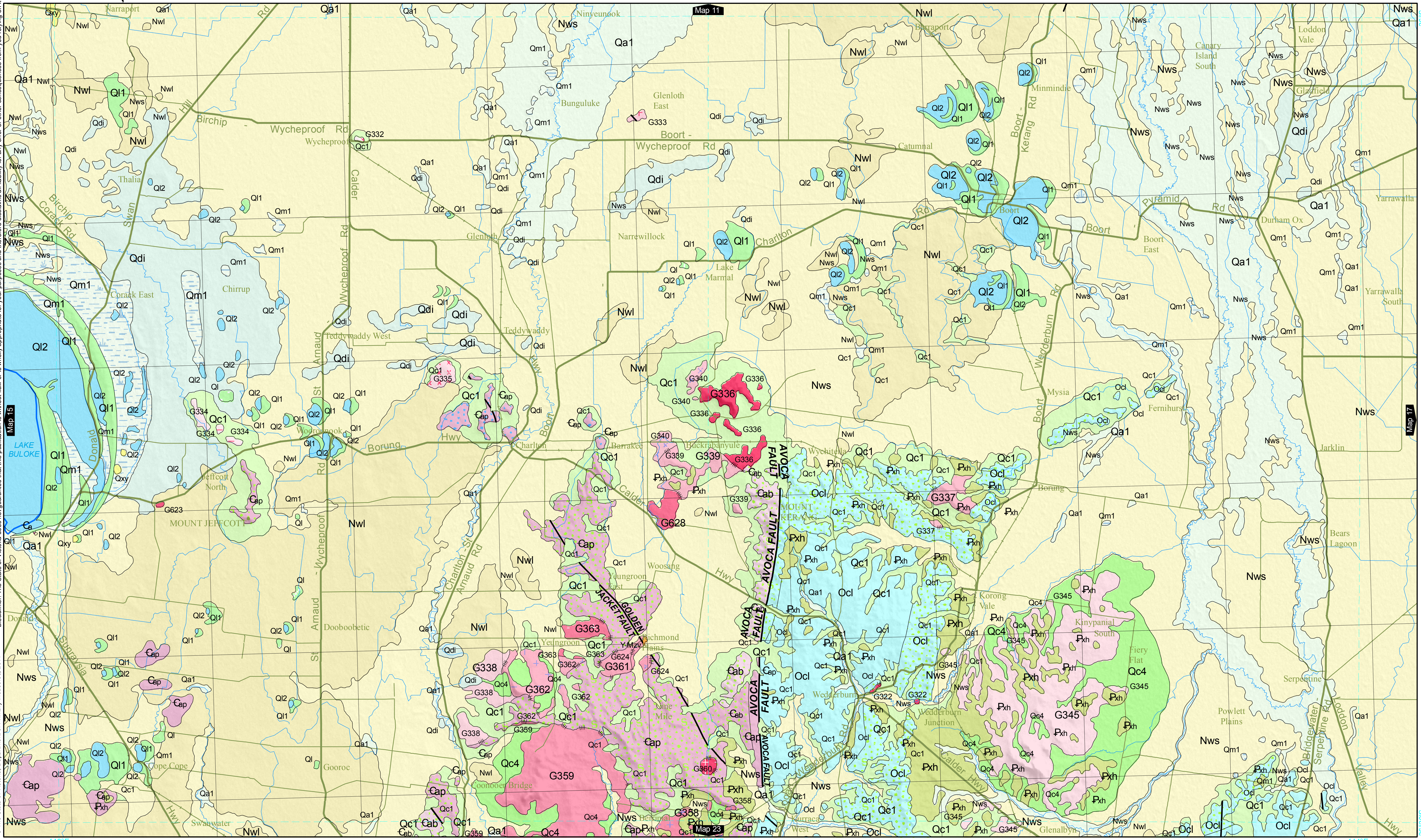
MAP 16 CHARLTON-WEDDERBURN



Qa1	alluvium
Qc1	colluvium
Qc4	granite-derived colluvium
Qdi	source-bordering dune deposits
Qm1	swamp and lake deposits
Ql	lunette and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Qxy	Yamba Formation
Nwl	Loxton Sand
Nws	Shepparton Formation
-Pxh	White Hills Gravel
Y-Mzv	Mesozoic plugs and dykes
G322	Korong Creek Tonalite
G332	Wycheproof Granite
G333	Hemleys Granite
G334	Jeffcott Granite
G335	Teddywaddy Granite
G336	Buckrabanyule Granite
G337	Mount Egbert Granite
G338	Wescotts Granite
G339	Grieves Granite
G340	Barrakee Granite
G345	Wedderburn Granodiorite
G359	Coonooer Granite
G358	Berrimal Granite
G360	Aughaderry Tonalite
G361	Richmond Granite
G362	Yeungroon Granite
G363	Wychitella Granite
G623	Whitimaria Granite
G624	Pental pluton
G628	Woosang Granite
Ocl	Castlemaine Group - Lancefieldian
-Cab	Beaufort Formation
-Cap	Pyrenees Formation
	Hornfels
	Contact aureole schist

MAP 17 MITIAMO-ECHUCA

0 5 10 15 20 kilometres

1:250 000

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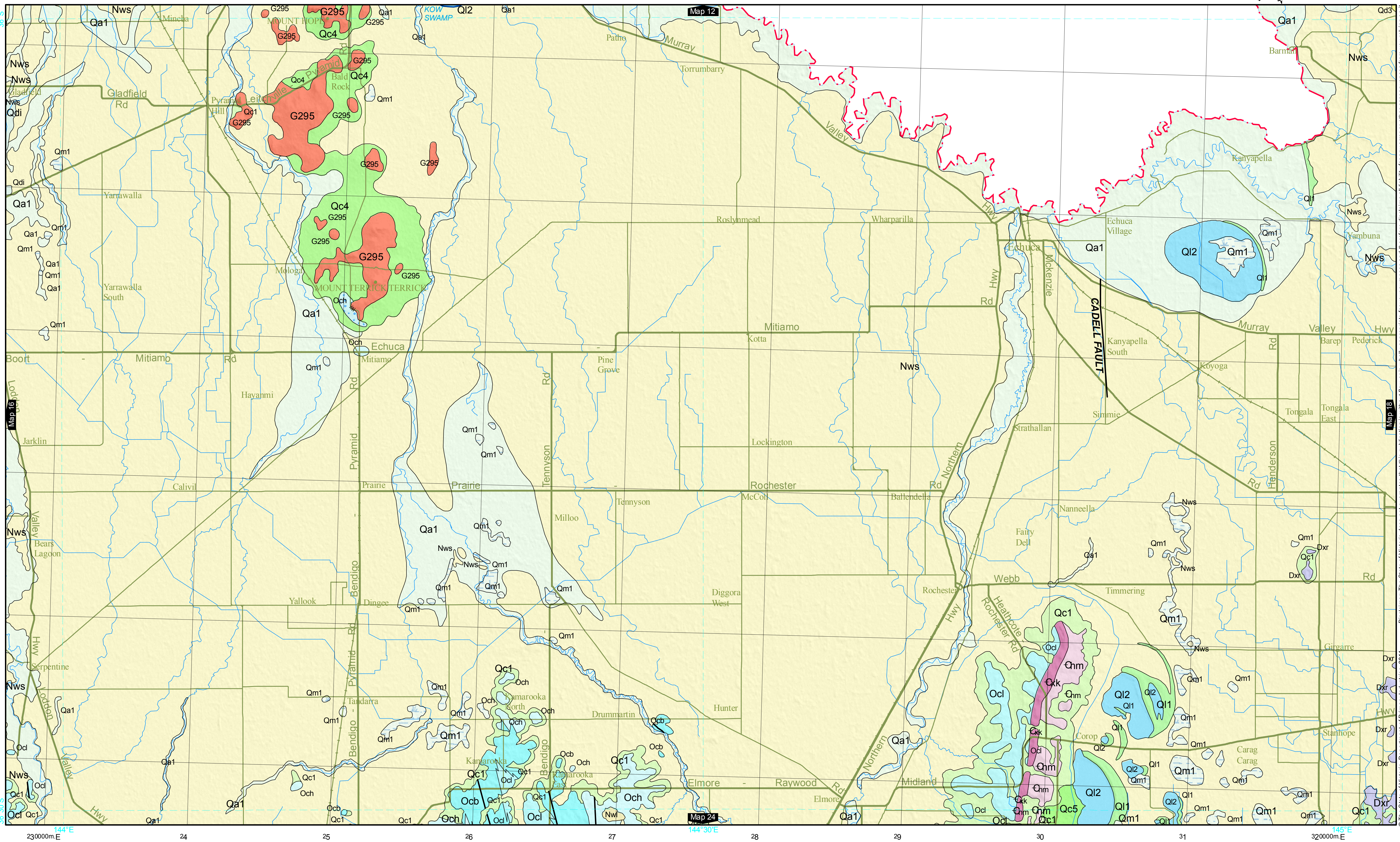

Qa1	alluvium
Qc1	colluvium
Qc4	granite-derived colluvium
Qc5	dissected colluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Nwl	Loxton Sand
Nws	Shepparton Formation
Dxr	Waranga Formation
G295	Pyramid Hill Granite
Ocb	Castlemaine Group - Bendigonian
Och	Castlemaine Group - Chewtonian
Ocl	Castlemaine Group - Lancefieldian
-Chm	Mount William Metabasalt
-Cxk	Knowsley East Shale
	hornfels

Map 18 SHEPPARTON-DOOKIE

State Government Victoria

0 5 10 15 20 kilometres

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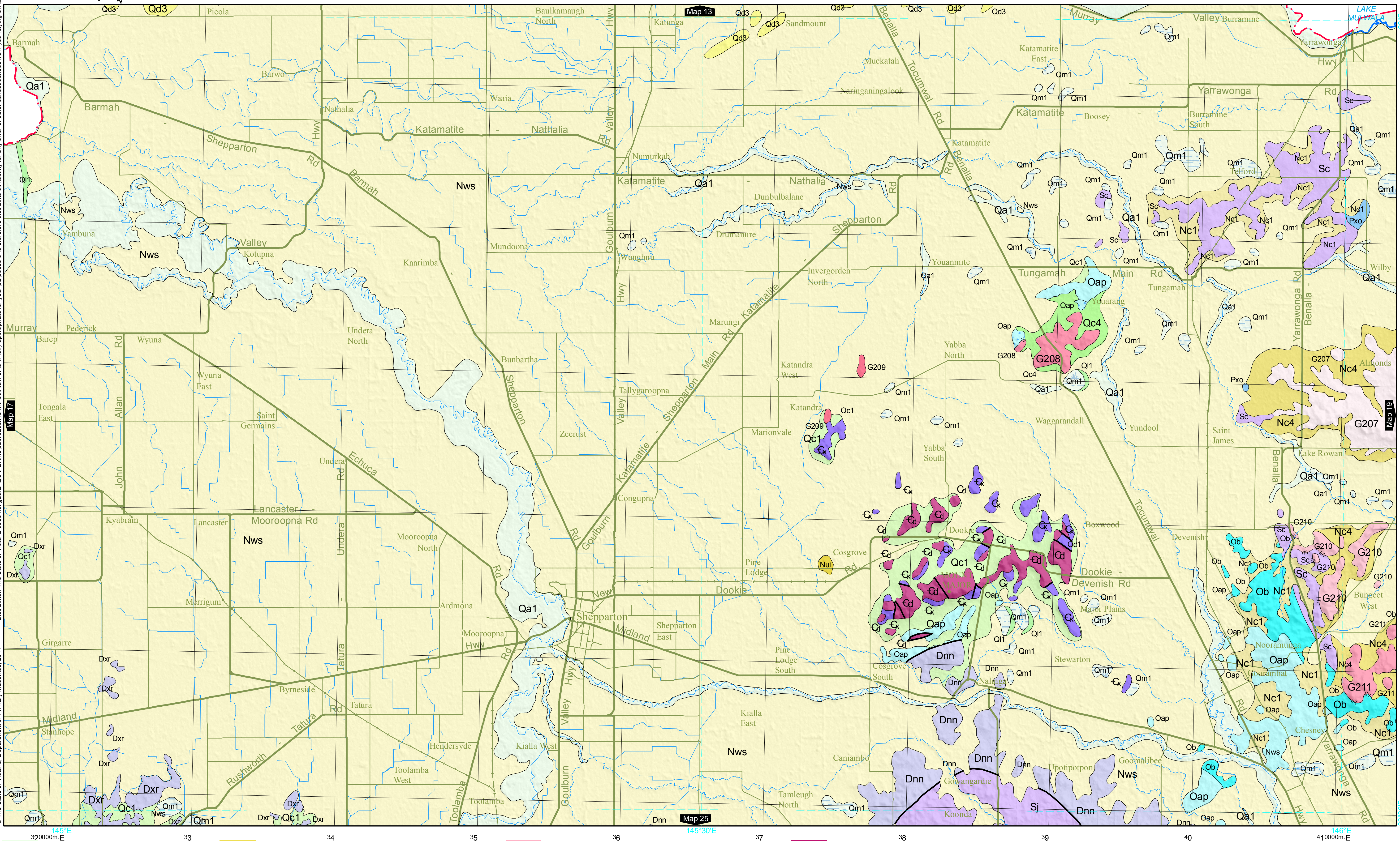

Qa1	alluvium
Qc1	colluvium
Qc4	granite-derived colluvium
Qd3	clay-rich dunes
Qm1	swamp and lake deposits
Ql1	lunette deposits
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nui	Pine Lodge Leucitite
Nws	Shepparton Formation
Pxo	Boorhaman Conglomerate
G207	Almonds Granite
G208	Youarang Granite
G209	Camview Granite
G210	Bungeet West Granite
Dnn	Norton Gully Sandstone
Dxr	Waranga Formation
Sc	Cobbannah Group
Sj	Jordan River Group
Oap	Pinnak Sandstone
Ob	Bendoc Group
-Cd	Dookie Igneous Complex
-Cx	Cambrian, sedimentary rocks
	Hornfels

MAP 19 WANGARATTA-ALBURY

0 5 10 15 20 kilometres

1:250 000

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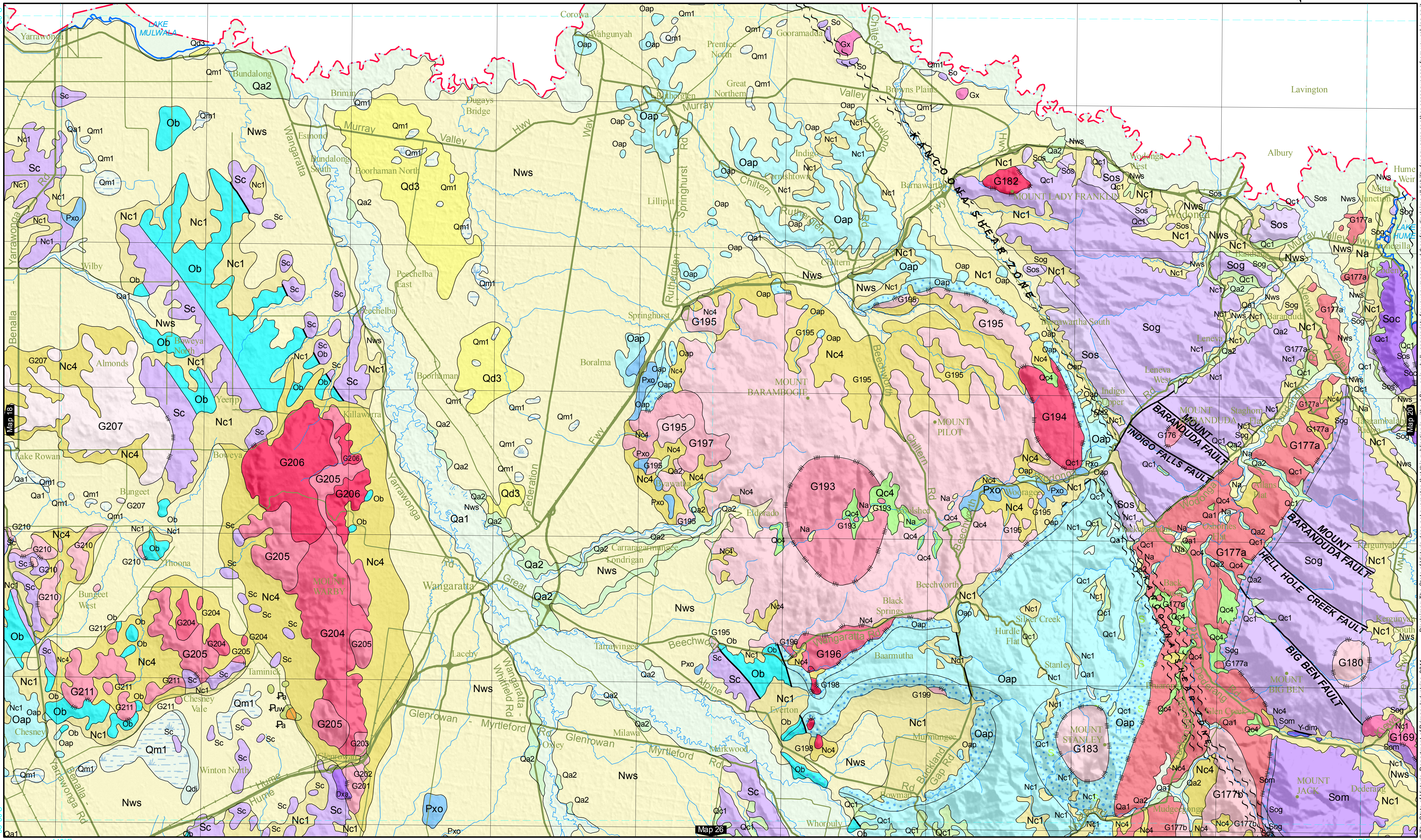

Qa1	alluvium
Qa2	alluvial terrace deposits
Qc1	colluvium
Qc4	granite-derived colluvium
Qd3	clay-rich dunes
Qdi	source-bordering dune deposits
Qm1	swamp and lake deposits
Na	incised alluvium
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nws	Shepparton Formation
-Pa	Sub-basaltic sediments
-Puw	Whitlands Volcanic Group
Pxo	Boorhaman Conglomerate
Dxa	Unnamed Silurian-Devonian quartz sandstone
Y-dim	dyke, metadiorite
G176	Baranduda Granite
G177a	Yackandandah Granite Porphyritic Phase
G177b	Yackandandah Granite Equigranular Phase
G180	Kergunyah Granite
G182	Barnawartha Gneissic Granodiorite
G183	Mount Stanley Granite
G193	Woolshed Valley Granite
G194	Morilla Granite
G195	Beechworth Granite
G196	Golden Ball Granite
G197	Byawatha Granite
G198	Everton Granodiorite
G199	Murmungee Granodiorite
G201	Kelly Gap Granite
G202	Glenrowan Granite
G203	Warby Springs Granite
G204	Taminick Gap Granite
G205	Mount Bruno Granite
G206	Killawarra Granite
G207	Almonds Granite
G210	Bungeet West Granite
G211	Chesney Vale Granite
Gx	Unnamed Silurian and Devonian granites
Sc	Cobbannah Group
So	Omeo Metamorphic Complex
Sog	Omeo Metamorphic Complex gneiss
Som	Omeo Metamorphic Complex migmatite
Sos	Omeo Metamorphic Complex schist
Oap	Pinnak Sandstone
Ob	Bendoc Group
	Hornfels
	Contact aureole schist and hornfels

MAP 20 TALLANGATTA-CORRYONG

State Government Victoria

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

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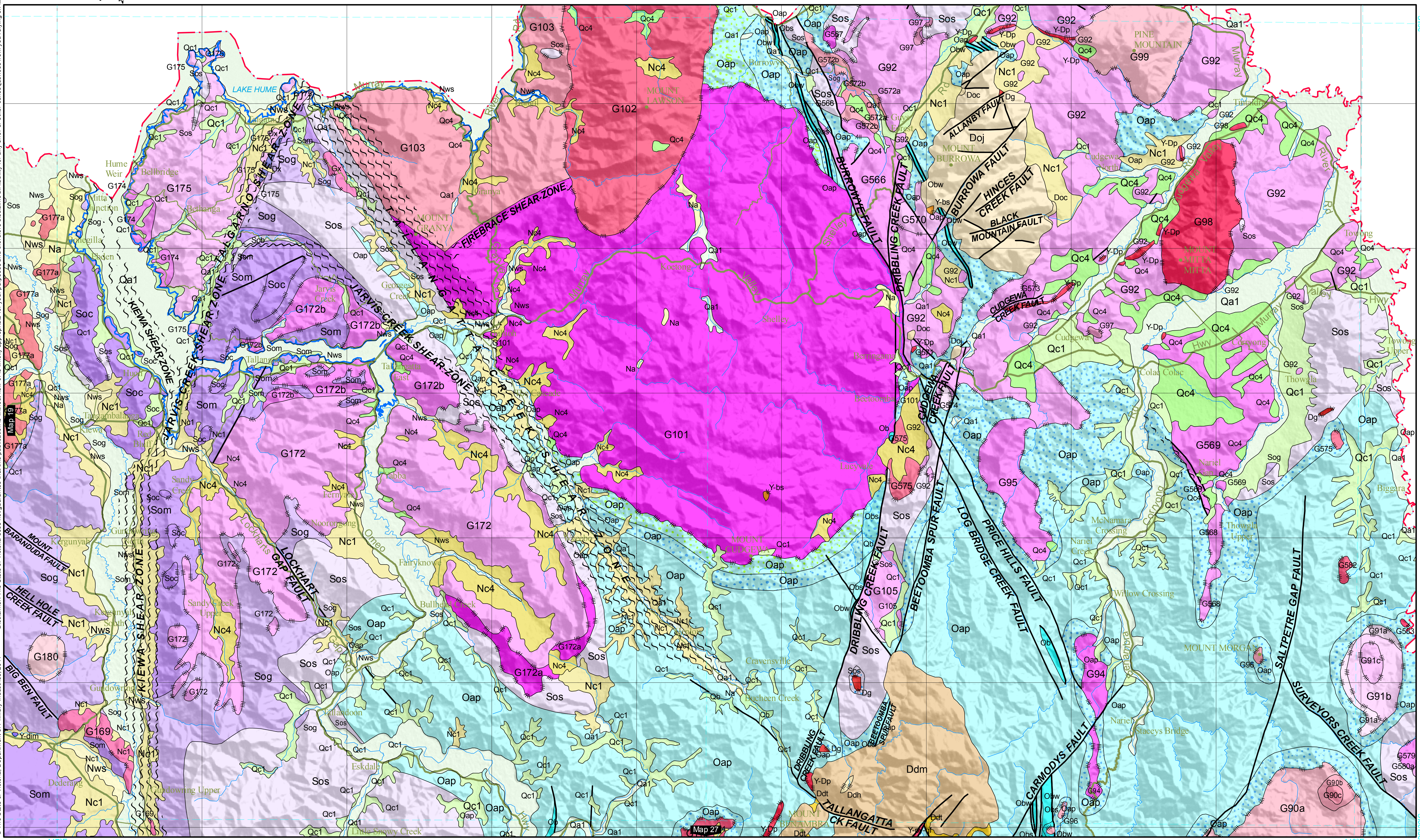
0 5 10 15 20 kilometres

1:250 000



Qa1	alluvium
Qb	alluvium and colluvium
Qc1	colluvium
Qc4	granite-derived colluvium
Na	incised alluvium
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nws	Shepparton Formation
Ddh	Dartella Volcanic Group - dyke
Ddm	Murtagh Creek Ignimbrite
Ddt	Tabor Volcanics
Dg	Devonian, granite
Doc	Cudgewa Falls Volcanics
Doj	Jemba Ignimbrite
Dx	Devonian, sedimentary rocks
Y-bs	dykes and plugs, basalt
Y-Dp	dyke, ring dyke
Y-py-qf	dyke, quartz-feldspar porphyry
G90a	Boebuck Granodiorite - magnetic phase
G90b	Boebuck Granodiorite - highly magnetic phase
G90c	Boebuck Granodiorite - porphyritic diorite phase
G91a	Bunroy Hut Granite - moderately magnetic phase
G91b	Bunroy Hut Granite - highly magnetic phase
G92	Corryong Granite
G94	Nariel Granite
G95	Wabba Granite
G96	Burrungabugge Granodiorite
G97	Jingellic Tonalite
G98	Mount Mittamatite Granite
G99	Pine Mountain Granite
G101	Koetong Granite
G102	Thologolong Granite
G103	Granya Granite
G105	Adjie Granodiorite
G110	Banimboola Quartz Monzodiorite
G169	Dederang Granite
G172	Yabba Granite
G172a	Yabba Granite aplitic phase
G172b	Yabba Granite gneissic phase
G174	Bellbridge Granite
G175	Bethanga Gneissic Granite
G180	Kergunyah Granite
G566	Allwood Granodiorite
G567	Mount Alfred Granite
G568	Burbibyong Granite
G569	Thowgla Creek Granite
G570	Keelangie Creek Granodiorite
G571	Berringama Granodiorite
G572a	Guys Forest Granodiorite - hornblende granodiorite phase
G572b	Guys Forest Granodiorite biotite granodiorite phase
G573	Touzells Granodiorite
G574	Beetoomba Granodiorite
G575	Lucyvale Granite
G582	Mount Unicorn Porphyry
Gx	Unnamed Silurian and Devonian granites
Sob	Bethgarno Amphibolite
Soc	Omeo Metamorphic Complex cordierite-garnet granite
Sog	Omeo Metamorphic Complex gneiss
Som	Omeo Metamorphic Complex migmatite
Sos	Omeo Metamorphic Complex schist
Oap	Pinnak Sandstone
Ob	Bendoc Group
Obs	Sunlight Creek Formation
Obw	Warbisco Shale
	Hornfels
	Contact aureole schist

MAP 21 GOROKE-NATIMUK

0 5 10 15 20 kilometres

1:250 000

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
Qc1	colluvium
Qdi	source-bordering dune deposits
Ql	lunette and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxm	Molineaux Sand
Qxy	Yamba Formation
Nwl	Loxton Sand
Nws	Shepparton Formation
Sk	Grampians Group

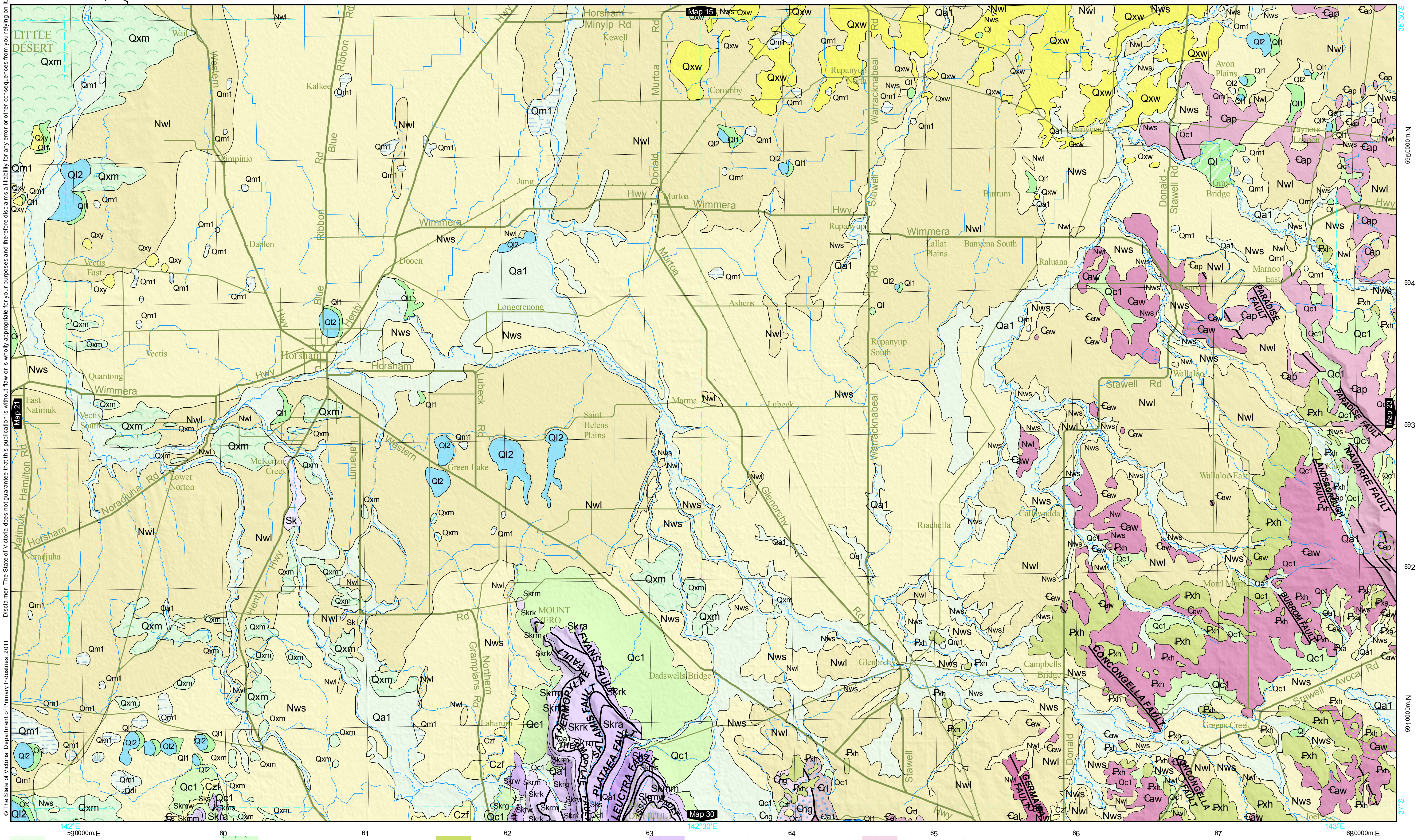
State Government Victoria

0 5 10 15 20 kilometres

1:250 000

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
Qc1	colluvium
Qdi	source-bordering dune deposits
Ql	lunette and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Qxm	Molineaux Sand
Qxy	Yamba Formation
Qxw	Woorinen Formation
Nwl	Loxton Sand
Nws	Shepparton Formation
Czf	duricrust
-Pxa	Calivil Formation
-Pxh	White Hills Gravel
Sk	Grampians Group
Skmm	Moora Moora Sandstone
Skms	Serra Sandstone
Skmw	Wartook Sandstone
Skra	Major Mitchell Sandstone
Skrg	Gariwerd Sandstone
Skrk	Kalymna Falls Sandstone
Skrm	Murray Hill Sandstone
Skrw	Watgania Gap Sandstone
Sks	Silverband Formation
-Caa	Albion Formation
-Cap	Pyrenees Formation
-Caw	Warrak Formation
-Cng	Glenthompson Sandstone
-Crl	Lexington Schist
	Hornfels

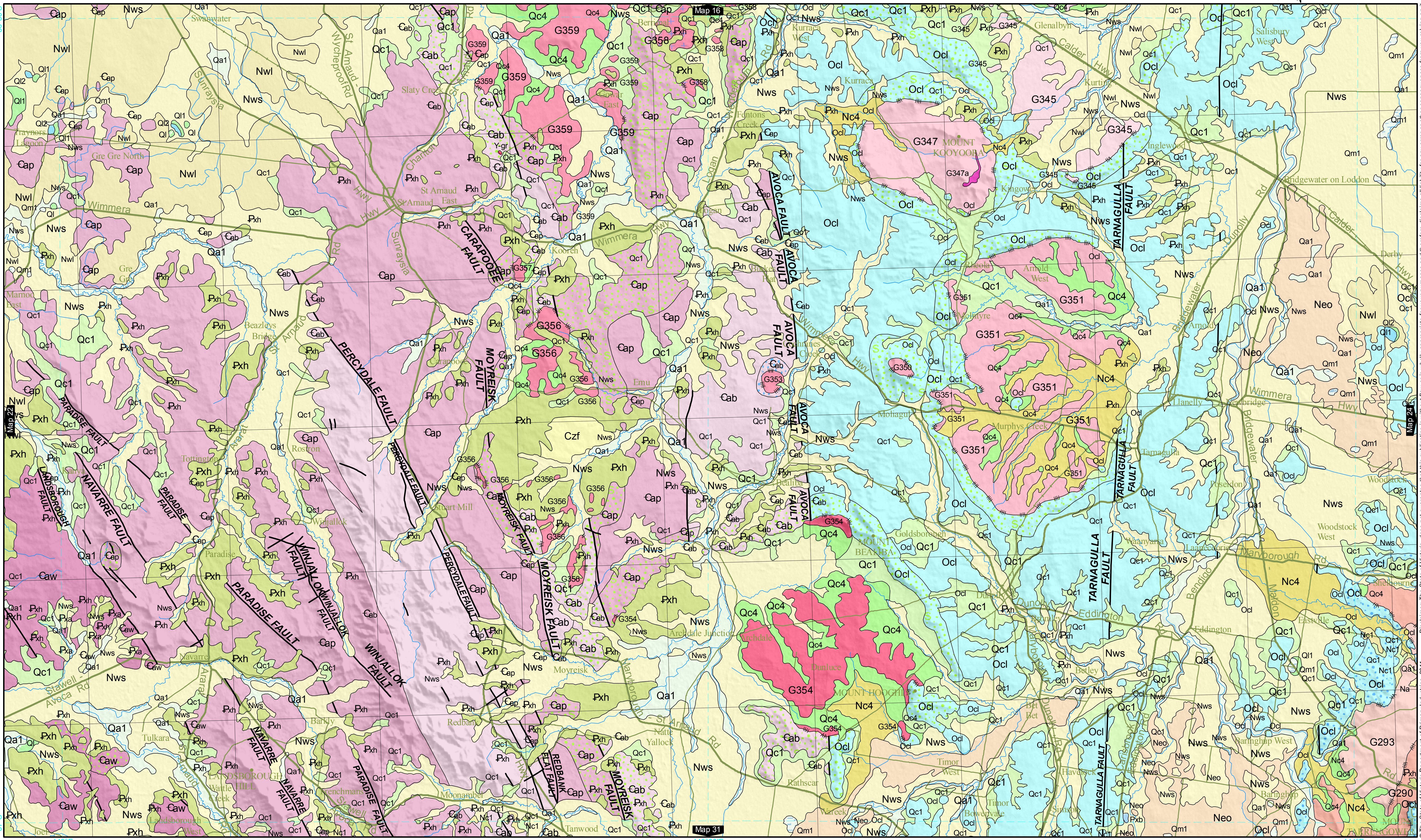
MAP 23 ST ARNAUD-DUNOLLY

0 5 10 15 20 kilometres

1:250 000

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
Qc1	colluvium
Qc4	granite-derived colluvium
Ql	lunette and lake deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Neo	Newer Volcanic Group - basalt flows
Nwl	Loxton Sand
Nws	Shepparton Formation
Czf	duricrust
-Pxa	Calivil Formation
Pxb	Bacchus Marsh Formation
-Pxh	White Hills Gravel
Y-gr	dyke, granite
G290	Harcourt Granodiorite
G293	Baringhup Granodiorite
G345	Wedderburn Granodiorite
G347	Kooyoora Granite
G347a	Kooyoora Granite - aplitic phase
G350	Moliagul Granodiorite
G351	Tarnagulla Granodiorite
G353	Bealiba Granodiorite
G354	Natte Yallock Granite
G356	Carapooee Granodiorite
G357	Kooreh Granite
G358	Berrimal Granite
G359	Coonooer Granite
Ocl	Castlemaine Group - Lancefieldian
-Cab	Beaufort Formation
-Cap	Pyrenees Formation
-Caw	Warrak Formation
	Hornfels
	Contact aureole schist

State Government Victoria

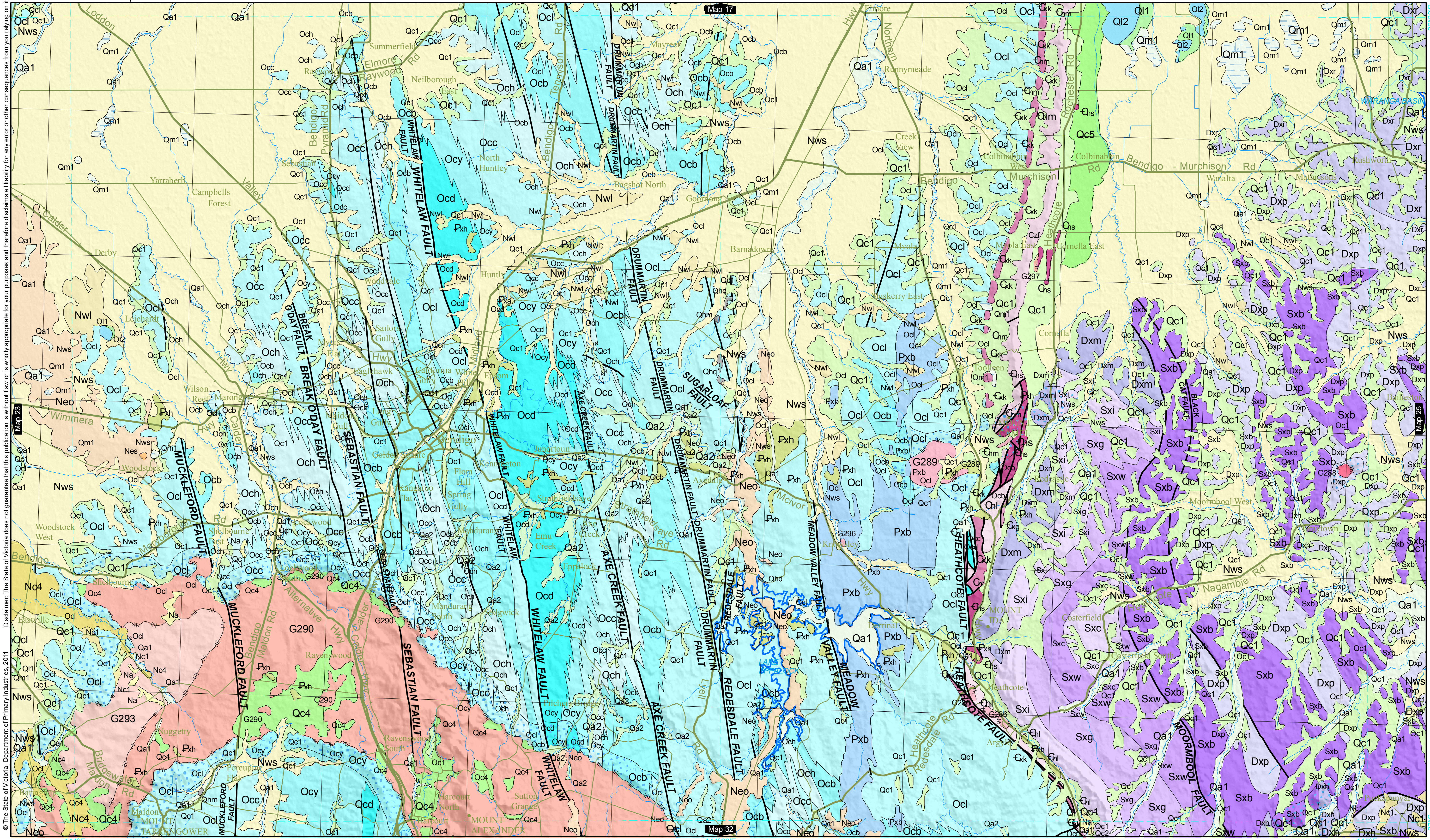
MAP 24 BENDIGO-HEATHCOTE

0 5 10 15 20 kilometres

1:250 000

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	Qhq	quarry waste deposits	Czf	duricrust	G296	Erindale Granite	Sxi	McIvor Sandstone	-Chl	Lazy Bar Andesite
Qa2	alluvial terrace deposits	Qm1	swamp and lake deposits	-Pxa	Calivil Formation	G297	Colbinabbin Diorite	Sxw	Wapentake Formation	-Chm	Mount William Metabasalt
Qc1	colluvium	Na	incised alluvium	Pxb	Bacchus Marsh Formation	Dxh	Humevale Siltstone	Ocb	Castlemaine Group - Bendigonian	-Chs	Sheoak Gully Boninite
Qc4	granite-derived colluvium	Nc1	incised colluvium	-Pxh	White Hills Gravel	Dxm	Mount Ida Formation	Occ	Castlemaine Group - Castlemainian	-Cxg	Goldie Chert
Qc5	dissected colluvium	Nc4	dissected granite-derived colluvium	G286	Commissioners Flat Granodiorite	Dxp	Puckapunyal Formation	Ocd	Castlemaine Group - Darriwilian	-Cxk	Knowsley East Shale
Ql1	lunette deposits	Neo	Newer Volcanic Group - basalt flows	G288	Mount Black Granite	Dxr	Waranga Formation	Och	Castlemaine Group - Chewtonian		
Ql2	lake deposits	Nes	Newer Volcanic Group - scoria deposits	G289	Crosbie Granite	Sxb	Broadford Formation	Ocl	Castlemaine Group - Lancefieldian		
Qhd	dam wall deposits	Nwl	Loxton Sand	G290	Harcourt Granodiorite	Sxc	Costerfield Siltstone	Ocy	Castlemaine Group - Yapeenian		
Qhm	mullock heaps	Nws	Shepparton Formation	G293	Baringhup Granodiorite	Sxg	Dargile Formation	-Ch	Heathcote Volcanic Group		Hornfels

MAP 25 NAGAMBIE-EUROA

0 5 10 15 20 kilometres

1:250 000

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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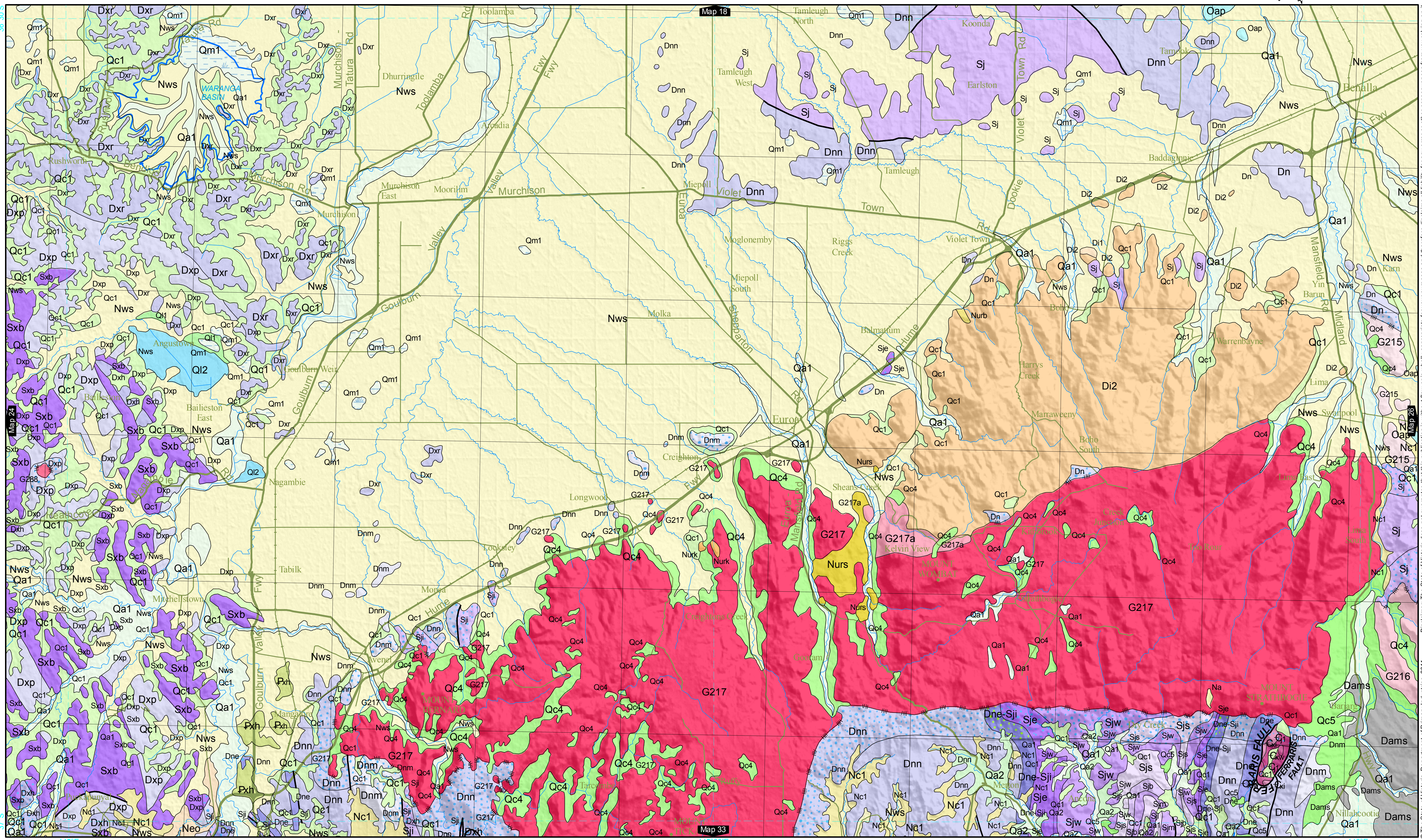


Qa1	alluvium
Qa2	alluvial terrace deposits
Qc1	colluvium
Qc4	granite-derived colluvium
Qc5	dissected colluvium
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Na	incised alluvium
Nc1	incised colluvium
Neo	Newer Volcanic Group - basalt flows
Nurb	Balmattum Basalt
Nurk	Killeen Basalt
Nurs	Seven Creeks Basalt
Nws	Shepparton Formation
-Pxh	White Hills Gravel
G217	Strathbogie Granite
G217a	Strathbogie Granite aplite phase
Dams	Snowy Plains Formation
Di1	Violet Town Volcanic Group - rhyolite
Di2	Violet Town Volcanic Group - rhyodacite
Dn	Walhalla Group
Dne	Easts Lookout Siltstone
Dne-Sji	Easts Lookout Siltstone-Wilson Creek Shale
Dnm	Montys Hut Formation
Dnn	Norton Gully Sandstone
Dxh	Humevale Siltstone
Dxp	Puckapunyal Formation
Dxr	Waranga Formation
Sj	Jordan River Group
Sjb	Bullung Siltstone
Sjd	Donnellys Creek Siltstone
Sje	Eildon Sandstone
Sji	Wilson Creek Shale
Sjl	Lazarini Siltstone
Sjm	McAdam Sandstone
Sjs	Sinclair Valley Sandstone
Sjw	Whitelaw Siltstone
Sxb	Broadford Formation
Oap	Pinnak Sandstone
-Cj1	Undifferentiated Jamieson Volcanic Group
-Cxi	Wild Dog Chert
-Cxw	Wahroonga Breccia
	Hornfels

State Government Victoria

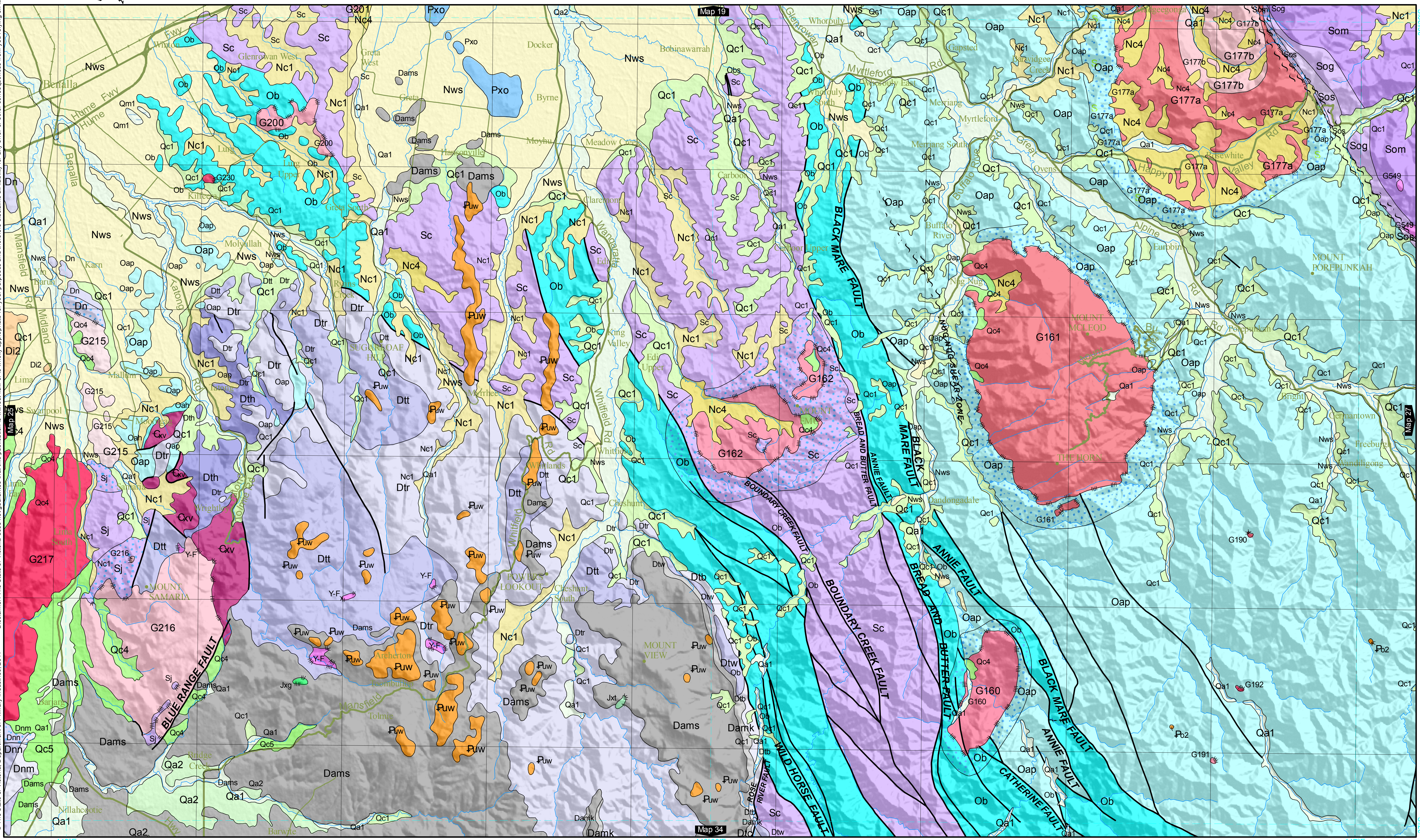
MGA Zone 55 - Universal Transverse Mercator Projection. Geodetic Datum of Australia 1994.

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.

0 5 10 15 20 kilometres

1:250 000

MAP 26 WHITFIELD-BUFFALO



Qa1	alluvium
Qa2	alluvial terrace deposits
Qc1	colluvium
Qc4	granite-derived colluvium
Qc5	dissected colluvium
Qm1	swamp and lake deposits
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nws	Shepparton Formation
-Po2	Paleogene plugs and dykes
-Puw	Whitlands Volcanic Group
Jxg	Gallows Hill Phonolite
Jxt	Unnamed trachyte and phonolite plugs and sills
Pxo	Boorhaman Conglomerate
Damk	Mount Kent Conglomerate
Dams	Snowy Plains Formation
Dn	Walhalla Group
Dtb	Bennies Formation
Dth	Hollands Creek Rhyodacite
Dtr	Ryans Creek Ignimbrite
Dtt	Toombullup Ignimbrite
Dtw	Mount Warrick Rhyolite
Y-F	dyke, felsic
G160	Mount Angus Granodiorite
G161	Mount Buffalo Granite
G162	Mount Emu Granodiorite
G177a	Yackandandah Granite Porphyritic Phase
G177b	Yackandandah Granite Equigranular Phase
G190	Demon Ridge Andesite Porphyry
G191	Nelson Creek Granite
G192	Shippen Gully Porphyry
G200	Lurg Granite
G215	Moorngag Granite
G216	Barjarg Granite
G217	Strathbogie Granite
G230	Kelfeera Granite
Sc	Cobbannah Group
Sj	Jordan River Group
Sog	Omeo Metamorphic Complex gneiss
Som	Omeo Metamorphic Complex migmatite
Sos	Omeo Metamorphic Complex schist
Oah	Howqua Chert
Oap	Pinnak Sandstone
Ob	Bendoc Group
Obs	Sunlight Creek Formation
-Cxv	Cambrian metamorphosed mafic volcanics
	Hornfels
	Contact aureole schist and hornfels

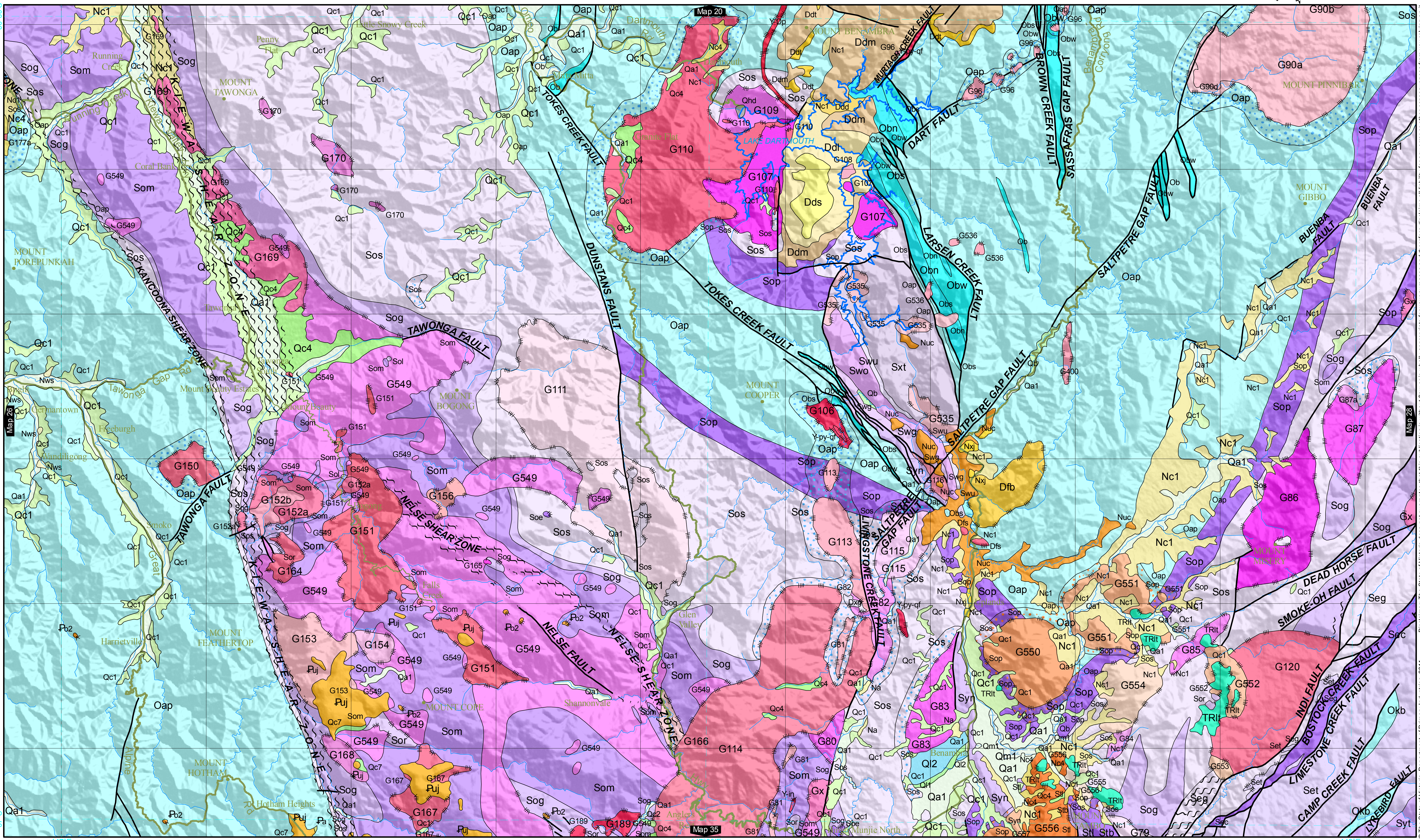
MAP 27a BOGONG-BENAMBRA

0 5 10 15 20 kilometres

1:250 000

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 27b BOGONG-BENAMBRA

Qa1	alluvium
Qb	alluvium and colluvium
Qc1	colluvium
Qc2	scree deposits
Qc4	granite-derived colluvium
Qc7	unnamed rock rivers
Qhd	dam wall deposits
Ql1	lunette deposits
Ql2	lake deposits
Qm1	swamp and lake deposits
Na	incised alluvium
Nc1	incised colluvium
Nc4	dissected granite-derived colluvium
Nxj	Japan Creek Gravel
Nxm	Morass Creek Basalt
-Po2	Paleogene plugs and dykes
-Puj	Mount Jim Volcanic Group
TRlt	Teapot Creek Formation
Y-Dp	dyke, ring dyke
Y-in	dyke, intermediate
Y-py-qf	dyke, quartz-feldspar porphyry
Ddd	Dart River Volcanic Breccia
Ddl	Larsen Creek Ignimbrite
Ddm	Murtagh Creek Ignimbrite
Dds	Sheevers Spur Ignimbrite
Ddt	Tabor Volcanics
Dfb	Besford Ignimbrite
Dfs	Sloan Knob Microgranite
Dxg	Eight Mile Loop Rhyolite
G79	Kimberly Park Granite
G80	Hinno Munjie Granite
G81	Bingo Munjie Quartz Diorite
G82	Ludrik Munjie Granite
G83	Penderlea Granite
G84	Wattle Grove Granite
G85	Mac Creek Granodiorite
G86	Greggs Granodiorite
G87	Buckwong Granodiorite
G87a	Buckwong Granodiorite felsic phase
G90a	Boebuck Granodiorite - magnetic phase
G90d	Boebuck Granodiorite - porphyritic phase
G96	Burrungabugge Granodiorite
G106	Charlestown Tonalite
G107	Wallaby Granite
G108	Eustace Creek Granodiorite
G109	Dartmouth Granite
G110	Banimboola Quartz Monzodiorite
G111	Mount Wills Granite
G113	Post Office Granite
G114	Anglers Rest Granite
G115	Taylors Crossing Tonalite
G116	Lower Tableland Granite
G120	Marengo Granodiorite
G150	Simmonds Gap Granite
G151	East Kiewa Granodiorite
G152a	Big Hill Quartz Diorite - quartz diorite phase
G152b	Big Hill Quartz Diorite - tonalite phase
G153	Niggerheads Granodiorite
G154	Pretty Valley Tonalite
G156	Timms Spur Leucogranite
G164	Carruno Tonalite
G165	Nowyeo Granite
G166	Wollonaby Granite
G167	Dinner Plain Tonalite
G168	Bundara Tonalite
G169	Dederang Granite
G170	Boorgunyah Granite
G189	High Tops Tonalite
G535	Silver Flat Porphyries
G536	Mowamba Porphyries
G549	Cobungra Granite
G550	Brothers Syenite
G551	MacFarlane Syenite
G552	Mole Hill Syenite
G553	Duggan Creek Granite
G554	Beloka Gap Granite
G555	Bung Bung Syenite
G556	Percydale Granite
G557	Grand View Syenite
Gx	Unnamed Silurian and Devonian granites
Sec	Cowombat Siltstone
Seg	Gibsons Folly Formation
Set	Thorkidaan Volcanics
Soe	Omeo Metamorphic Complex pegmatite
Sog	Omeo Metamorphic Complex gneiss
Sol	Omeo Metamorphic Complex leucogranite
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
Swg	Gibbo River Formation
Swo	Toaks Creek Conglomerate
Swu	Undowah Siltstone
Sxt	Mitta Mitta Rhyolite
Syn	Tongaro Formation
Oap	Pinnak Sandstone
Ob	Bendoc Group
Obn	New Country Sandstone
Obs	Sunlight Creek Formation
Obw	Warbisco Shale
	Hornfels
	Triassic hornfels

MAP 28 JACOBS RIVER-NUMBLA

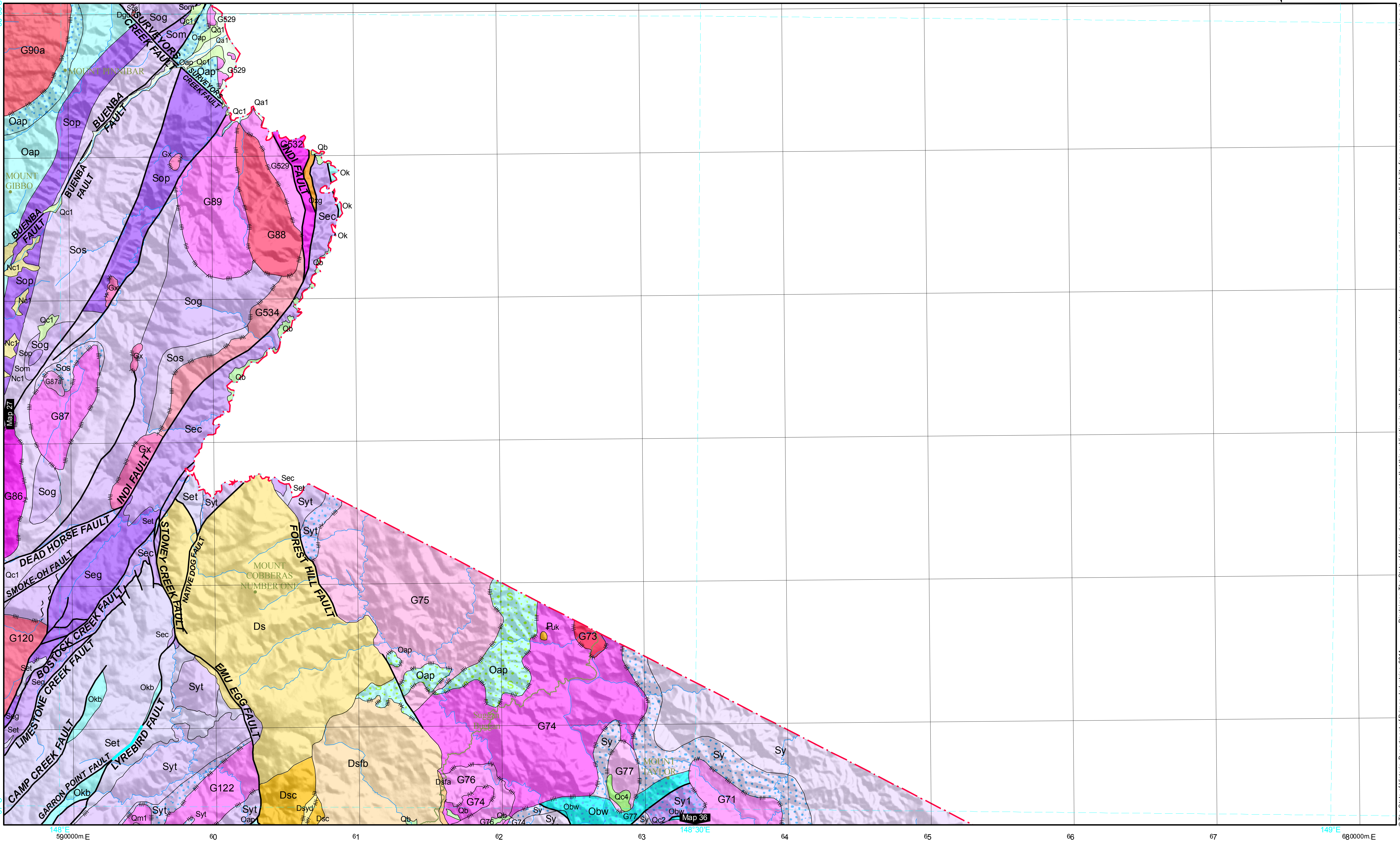
0 5 10 15 20 kilometres

1:250 000

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.

State Government Victoria



- Qa1 alluvium
- Qb alluvium and colluvium
- Qc1 colluvium
- Qc4 granite-derived colluvium
- -Puk Karoonda Park Volcanic Group
- Ds Snowy River Volcanic Group
- Dsc Wombargo Subgroup
- Dsfa Ballantyne Megabreccia
- Dsfb Black Mountain Ignimbrite
- Dsyd Snowy River Volcanic Group - rhyolite
- G71 Amboyne Granodiorite
- G73 Gattamurh Granite
- G74 Suggan Buggan Granodiorite
- G75 Mowambah Granodiorite
- G76 Chilpin Granodiorite
- G77 Barrabilly Granite
- G87 Buckwong Granodiorite
- G88 Butchers Block Tonalite
- G89 Tom Groggin Granite
- G90a Boebuck Granodiorite - magnetic phase
- G122 Forlorn Hope Granite
- G529 Green Hills Granodiorite
- G532 Grass Flat Granite
- G534 Crowstick Diorite
- Gx Unnamed Silurian and Devonian granites
- Sec Cowombat Siltstone
- Seg Gibsons Folly Formation
- Set Thorkidaan Volcanics
- Sog Omeo Metamorphic Complex gneiss
- Som Omeo Metamorphic Complex migmatite
- Sop Omeo Metamorphic Complex phyllite
- Sos Omeo Metamorphic Complex schist
- Sy Yalmy Group
- Sy1 lower sandstone unit
- Syt Towanga Sandstone
- Oap Pinnak Sandstone
- Obw Warbisco Shale
- Ok Kiandra Group
- Okb Blueys Creek Formation
- Oxg Gooandra Volcanics
- Hornfels
- Contact aureole schist

State Government Victoria

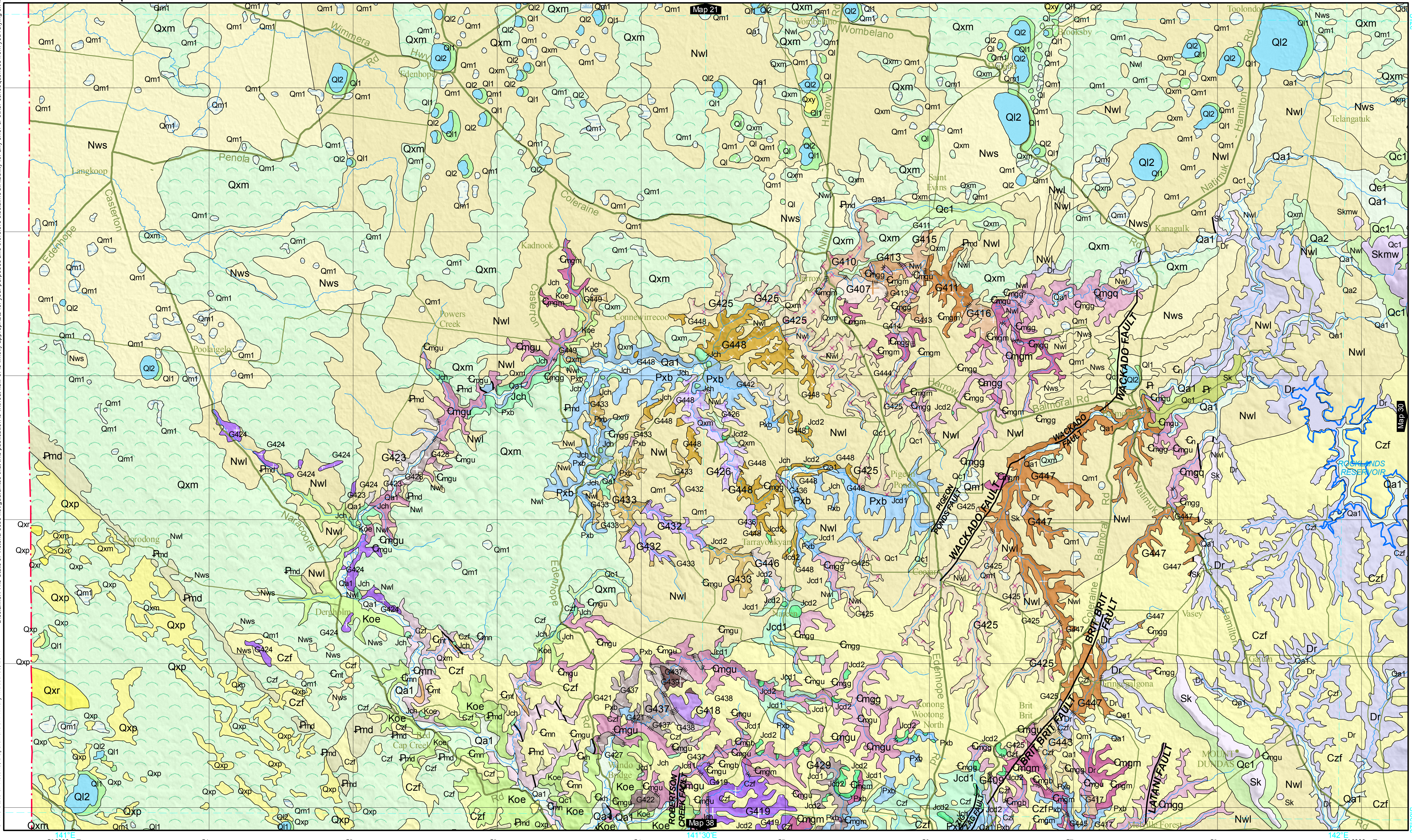
0 5 10 15 20 kilometres

1:250 000

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.

MAP 29 EDENHOPE-BALMORAL



- Qa1 alluvium
- Qa2 alluvial terrace deposits
- Qc1 colluvium
- Ql lunette and lake deposits
- Ql1 lunette deposits
- Ql2 lake deposits
- Qm1 swamp and lake deposits
- Qxm Molineaux Sand
- Qxp Padthaway Formation
- Qxr Bridgewater Formation
- Qxy Yamba Formation
- Nwl Loxton Sand
- Nws Shepparton Formation
- Czf duricrust
- -Pmd Duddo Limestone
- -Pr Renmark Group
- Koe Eumeralla Formation
- Jcd1 Den Hills Formation - lava flows
- Jcd2 Den Hills Formation - domes and laccoliths
- Jch Hypatia Formation
- Pxb Bacchus Marsh Formation
- Dr Rocklands Volcanic Group
- Sk Grampians Group
- G407 Harrow Granodiorite
- G409 Hassall Creek Granodiorite
- G410 Kout Norien Granodiorite
- G411 Marn Mering Granodiorite
- G414 Carrigeen Granodiorite
- G413 Schofield Granite
- G415 Scrubby Junction Granodiorite
- G416 Dunmore Leucotonalite
- G417 Kassingbrook Granodiorite
- G418 Cloven Hills Granodiorite
- G419 Loftus Creek Granodiorite
- G421 Wando Tonalite
- G422 Saint Elmo Granodiorite
- G423 Ferres Creek Tonalite
- G424 Dergholm Granite
- G425 Tuloona Granodiorite
- G426 Koolomurt Granodiorite
- G427 Torah Granodiorite
- G428 Kooreelah Gabbro-Diorite
- G429 Wennicott Tonalite
- G432 Cairns Creek Granodiorite
- G433 Chetwynd Tonalite
- G436 Barrama Microgranite
- G437 Snake River Tonalite
- G438 Brimboal Granodiorite
- G439 Blair Atholl Granite
- G442 Mooree Granodiorite
- G443 Patawilya Tonalite
- G444 Awaiti Granite
- G446 Glengoyne Granite
- G447 Gringegalgona Granite
- G448 Glendara Granite
- G449 Kadnook Creek Granodiorite
- -Cmgb Glenelg River Metamorphic Complex - biotite granite
- -Cmgg Glenelg River Metamorphic Complex - leucogranite
- -Cmgm migmatite
- -Cmgq quartzofeldspathic schist with pegmatite
- -Cmgu schist, amphibolite and calc-silicate
- -Cmn Nangeela Formation
- -Cmt Truro Volcanics
- -Cn Nargoon Group
- -Cxh Hummocks Serpentinite

MAP 30 GRAMPIANS-ARARAT

0 5 10 15 20 kilometres

1:250 000

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.

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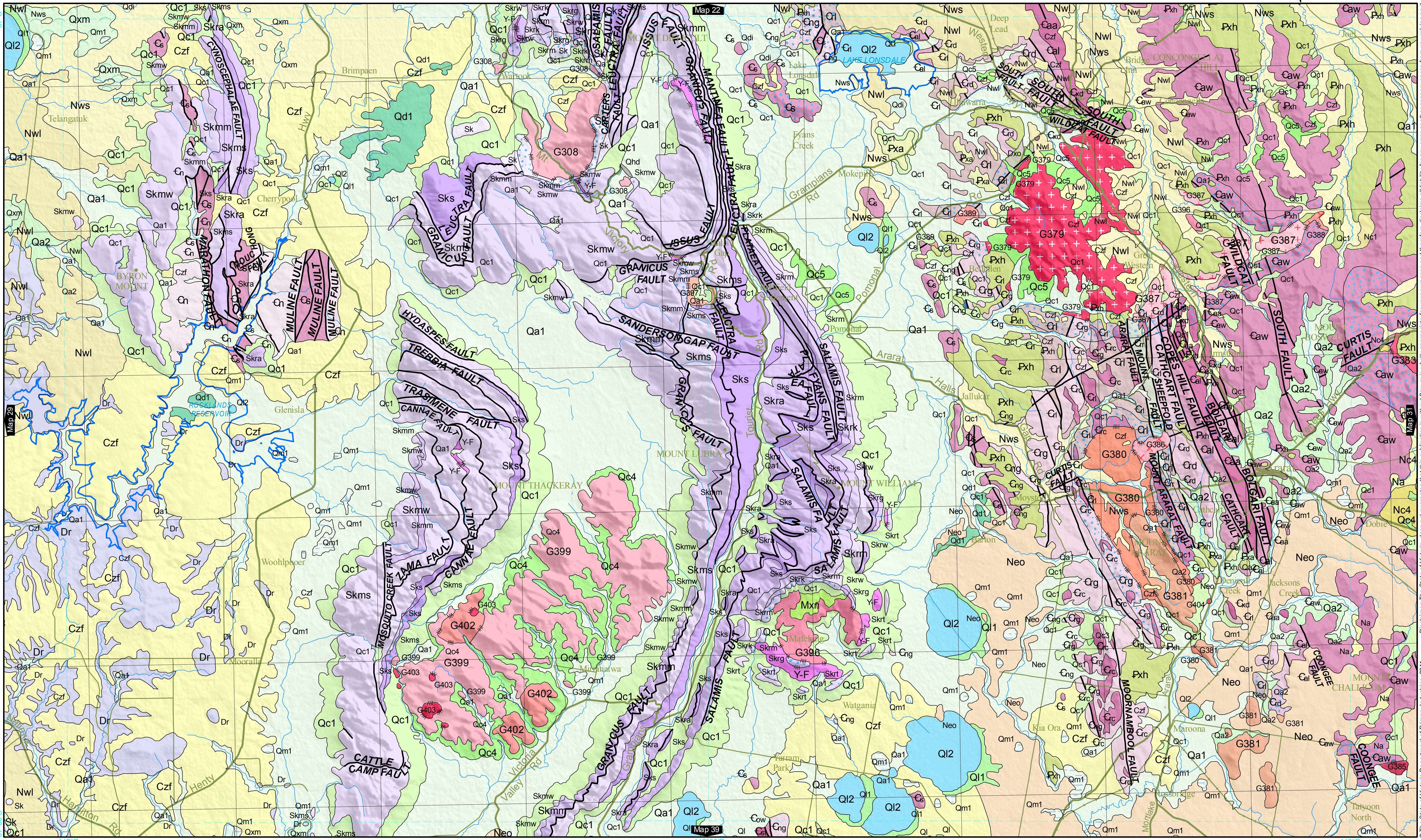

Qa1	alluvium	Ql1	lunette deposits	-Pxa	Calivil Formation	Skrg	Gariwerd Sandstone	G380	Ararat Granodiorite	G402	Mirranatwa Granite	-Crc	Carrolls Amphibolite
Qa2	alluvial terrace deposits	Ql2	lake deposits	-Pxh	White Hills Gravel	Skrk	Kalymna Falls Sandstone	G381	Burrumbeep Granodiorite	G403	Bullawin Porphyry	-Crd	Deenicull Schist
Qc1	colluvium	Qm1	swamp and lake deposits	Dr	Rocklands Volcanic Group	Skrm	Murray Hill Sandstone	G386	Curtis Diorite	G404	Merrymbuela Gabbro	-Crl	Lexington Schist
Qc3	slump deposits	Qxm	Molineaux Sand	Dxo	Wonga Schist	Skrt	Thermopylae Conglomerate	G387	Two Eyed Creek Granodiorite	-Caa	Albion Formation	-Crg	Good Morning Bill Schist
Qc4	granite-derived colluvium	Neo	Newer Volcanic Group - basalt flows	Sk	Grampians Group	Skrw	Watgania Gap Sandstone	G388	Bulgana Diorite	-Cal	Leviathan Formation	-Crr	Rhymney Schist
Qc5	dissected colluvium	Nwl	Loxton Sand	Skmm	Moora Moora Sandstone	Sks	Silverband Formation	G389	White Rabbit Diorite	-Caw	Warrak Formation	-Cs	Mount Stavely Volcanic Complex
Qd1	inland dune deposits	Nws	Shepparton Formation	Skms	Serra Sandstone	Y-F	dyke, felsic	G396	Mafeking Granodiorite	-Cn	Nargoon Group	-Cxd	Magdala Volcanics
Qdi	source-bordering dune deposits	Czf	duricrust	Skmw	Wartook Sandstone	G308	Mount Bute Granite	G397	Epacris Hills Granite	-Cng	Glenthompson Sandstone		Hornfels
Qhd	dam wall deposits	Mxn	Nekeeya Gravel	Skra	Major Mitchell Sandstone	G379	Stawell Granite	G399	Dwyer Granite	-Co	Dimboola Igneous Complex		