Department of State Growth
MINERAL RESOURCES TASMANIA

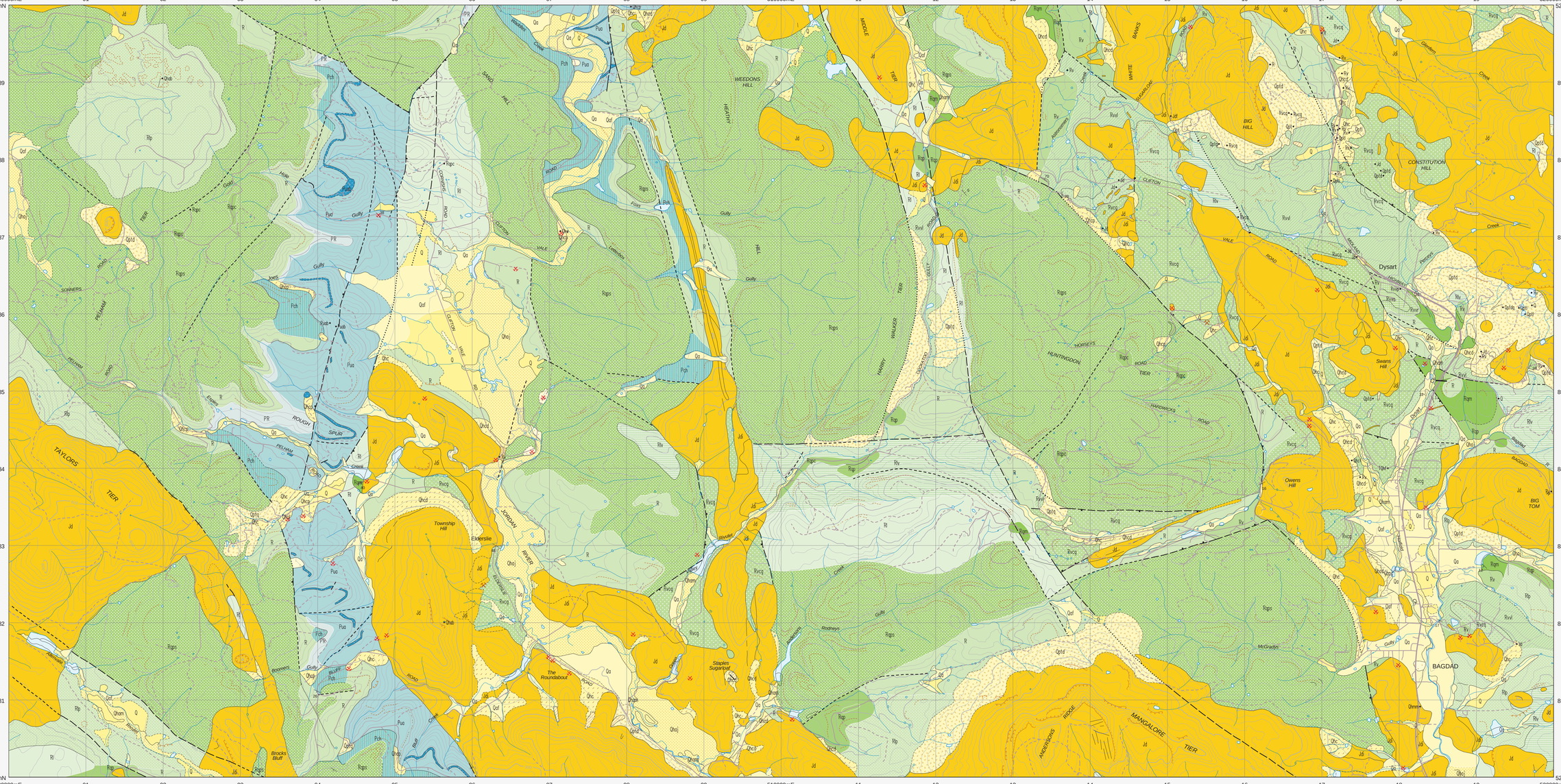
DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
ELDERSLIE, SHEET 5028

ELDERSLIE

Scale: 1:25 000

0 500 1000 1500 2000 2500m

Tasmanian Government



CENOZOIC

QUATERNARY

Q

- **Qhmm** — *Man made deposits (Qhmm).*
- **Qhw** — *Aeolian and locally derived sand (Qhw).*
- **Qhcf** — *Recent landslide deposit (Qhcf).*
- **Qhpc** — *Piedmont deposits dominantly of dark brown, grey or olive coloured clay with subordinate sparse rock clasts, locally may overlie or include colluvial or alluvial deposits with dolerite clasts (Qhpc).*
- **Qhc** — *Colluvium (Qhc), –sandy, derived from Upper Parmeener rocks (Qhcp), –derived predominantly from Lower Parmeener rocks (Qhcl), –clayey gravel derived from dolerite (Qhcd).*
- **Qhab** — *Swamp deposits (Qhab).*
- **Qa** — *Alluvial gravel sand and clay (Qa), alluvial fans (Qaf). Holocene alluvium (Qha)), alluvial and marsh deposits of modern flood plains, gravel, sand, silt and clay commonly with dark coloured top layer (Qham).*
- **Qpao** — *Alluvial terrace deposits (Qpao).*

NEOGENE – PALEOGENE

TQ

- **Qpt** — *Talus and remobilised talus deposits (Qpt), talus predominantly of dolerite boulders and in places subordinate Parmeener rocks (Qptd), predominantly of Triassic lithic sandstone (Qptt), predominantly of Upper Parmeener sandstone and sand (Qpts), silty talus breccia derived from Lower Parmeener rocks (Qptp), talus of dolerite and notable Upper Parmeener rocks (Qptup), of dolerite with notable amounts of Upper Parmeener quartzose sandstone (Qptdq).*
- **TQcs** — *Plastic silty clay, sandy clay and clayey sand (TQcs).*
- **• TQhf** — *Poorly consolidated fine–grained gravel and sandstone (TQhf).*

Erosional surface.

MESOZOIC

TRIASSIC

PR

- **Rvcq** — *Thick–to thin–bedded volcanic lithic sandstone, siltstone, mudstone and coal seams, fossil plants on some horizons (Newtown Coal Measures in part) (Rvcq). Undifferentiated Upper Parmeener below unit Rvcq (Rt). Massive quartz sandstone, occasional beds of lithic sandstone and coal, sandstone to mudstone ratio is often less than 1:2, red mudstone common near base (Rlv). Dominantly medium–coarse–grained sandstone, minor mudstone minor mica and feldspar content, sandstone to mudstone ratio is less than or equal to 3:1 contains clay pellet conglomerate (Rlp).*

R

- **Rlv** — *Interbedded cross–bedded white quartzose sandstone, quartz–rich lithic sandstone, siltstone and mudstone; intervals with much dark grey carbonaceous mudstone, thin lenticular coal seams and fossil plants in places (Rvcq).*
- **Rvcq** — *Interbedded yellow brown or grey carbonaceous siltstone, mudstone and thin–to thick–bedded quartz–rich lithic, arkosic sandstone, some fossil plants, common siltstone paleosols (Rvvl).*
- **Rvvl** — *Predominantly fine–grained quartz sandstone, commonly partly silicified, interbedded with mudstone and lithic sandstone at places (Rvvs).*
- **Rvvs** — *Predominantly brown, buff, grey carbonaceous and green siltstone and mudstone, interbedded with lithic sandstone, quartz sandstone and thin beds of silicified sandstone, horizons of crowded vertical burrows, siltstone paleosols, and plant fossils at places (Rvvr).*
- **Rvvr** — *Lenticular variable medium–to coarse–grained sandstone, generally containing quartz granules (Rvvp).*
- **Rvvp** — *Rv = Rvcq + Rvcq + Rvvl +Rvvs + Rvvr + Rvvp.*

Rv

Ri

- **Rlp** — *Interbedded micaceous brown, red–purple, green and grey carbonaceous siltstone, shale, mudstone and planar bedded, ripple–laminated or cross–bedded sandstone (Rqm).*
- **Rqm** — *Freshwater predominantly cross–bedded quartzose to feldspathic sandstone commonly with overturned cross–bedding and subordinate micaceous siltstone with some red–purple beds, sparse plant and vertebrate fossils (Rqp), Knocklofty Formation (Rqph) contact metamorphosed by Jurassic dolerite (Rqphm), intervals predominantly of siltstone, shale, mudstone and sandstone indicated (Rqpc), intervals of thickly bedded medium–coarse–grained quartz sandstone and very minor usually black shale layers and sandstone to shale ratio normally > 10:1 (Rqps).*
- **Rqp** — *Freshwater cross–bedded arkosic to quartzose sandstone and micaceous siltstone, thin beds of quartz pebble conglomerate near base in many areas; upper interval less feldspathic (correlate in part of Cygnet Coal Measures) (Pch).*
- **Rqps** — *Thin marker horizon of granule sandstone (Probable correlate of Blackwood Conglomerate) (Puab).*

PALEOZOIC

PERMIAN

- **Pch** — *Generally unfossiliferous, glaciomarine interbedded non–fissile and fissile siltstone and silty sandstone, common bioturbation, lonestones; uppermost beds of laminated to massive grey siltstone (Abels Bay Formation) (Puo).*
- **Puo** — *Generally unfossiliferous, glaciomarine interbedded non–fissile and fissile siltstone and silty sandstone, common bioturbation, lonestones; uppermost beds of laminated to massive grey siltstone (Abels Bay Formation) (Puo).*
- **Puab** — *Thin marker horizon of granule sandstone (Probable correlate of Blackwood Conglomerate) (Puab).*

UPPER PARMEENER SUPERGROUP

LOWER PARMEENER SUPERGROUP — Lymingtonian Stage — PRELIMAN SERIES

IGNEOUS ROCKS

MESOZOIC

JURASSIC

- **Jd** — *Dolerite (Jd), dolerite inferred beneath soil or Cenozoic deposits (Jdi). Dolerite of grainsize 0.7 – 1.5mm (Jdt), >3mm (Jdc), indicated.*

Geological boundary – position accurate or approximate.
Geological boundary – inferred.
Slope break.
Scarp.
Lithological trend line, including bedding trace interpreted from aerial photographs.
Photo lineament.
Fault – position accurate or approx.
Fault – inferred.
Fault – concealed.
Normal fault (downthrown side indicated) – position accurate or approximate.
Normal fault (downthrown side indicated) – inferred.
Normal fault (downthrown side indicated) – concealed.
Intrusive boundary along pre–existing fault with subsequent post–intrusive movement, position approximate.
(white line) Limit of mapping of sub–unit within undifferentiated rock unit.

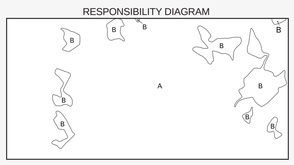
Strike and dip of bedding, right way up.
Strike of outcrop–scale fault of unspecified type and relative age.
Notable small outcrop with rock unit indicated.
Mineral deposit location – hardrock
Construction material/industrial mineral/gemstone location
Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.

Compiled by S.M.Forsyth, B.Sc., 2002 from the following sources (see responsibility diagram):

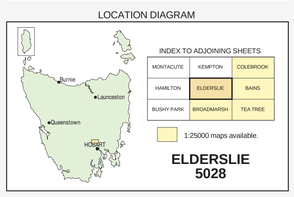
A LEAMAN, D.E. & LEGGE, P.J. 1975. Geological Atlas 1:50 000 Series. Sheet 75 (8312N), Brighton.
Forsyth, S.M. Road-side geological observations 2001.
Forsyth, S.M. Aerial photo interpretation 2001.

B LEAMAN, D.E. & LEGGE, P.J. 1975. Geological Atlas 1:50 000 Series. Sheet 75 (8312N), Brighton.
Forsyth, S.M. New mapping 2003.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

MONTACUTE	KEMPTON	COLEBROOK
HAMILTON	ELDERSLIE	BAINS
BUSHY PARK	BROADMARSH	TEA TREE

1:25000 maps available.

ELDERSLIE
5028

REFERENCE THIS MAP AS:

LEAMAN, D.E. & FORSYTH, S.M. 2006. Digital Geological Atlas 1:25 000 Scale Series. Sheet 5028 Elderslie. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

Map produced by Spatial Information Services, Mineral Resources Tasmania using G.I.S. software.

Website: www.mrt.tas.gov.au

GDA94 – MGA Zone 55. Contour Interval: 20 metres.

GDA

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional advisers. As a result the Crown in Right of the State of Tasmania and its employees, contractors and agents expressly disclaim all and any liability (including all liability from or attributable to any negligent or wrongful act or omission) to any persons whatsoever in respect of anything done or omitted to be done by any such person in reliance whether in whole or in part upon any of the material in this data. Crown copyright reserved.

Plotfile for this map generated from digital data as at: 02-AUG-2018

WARNING: INKS ARE LIGHT SENSITIVE