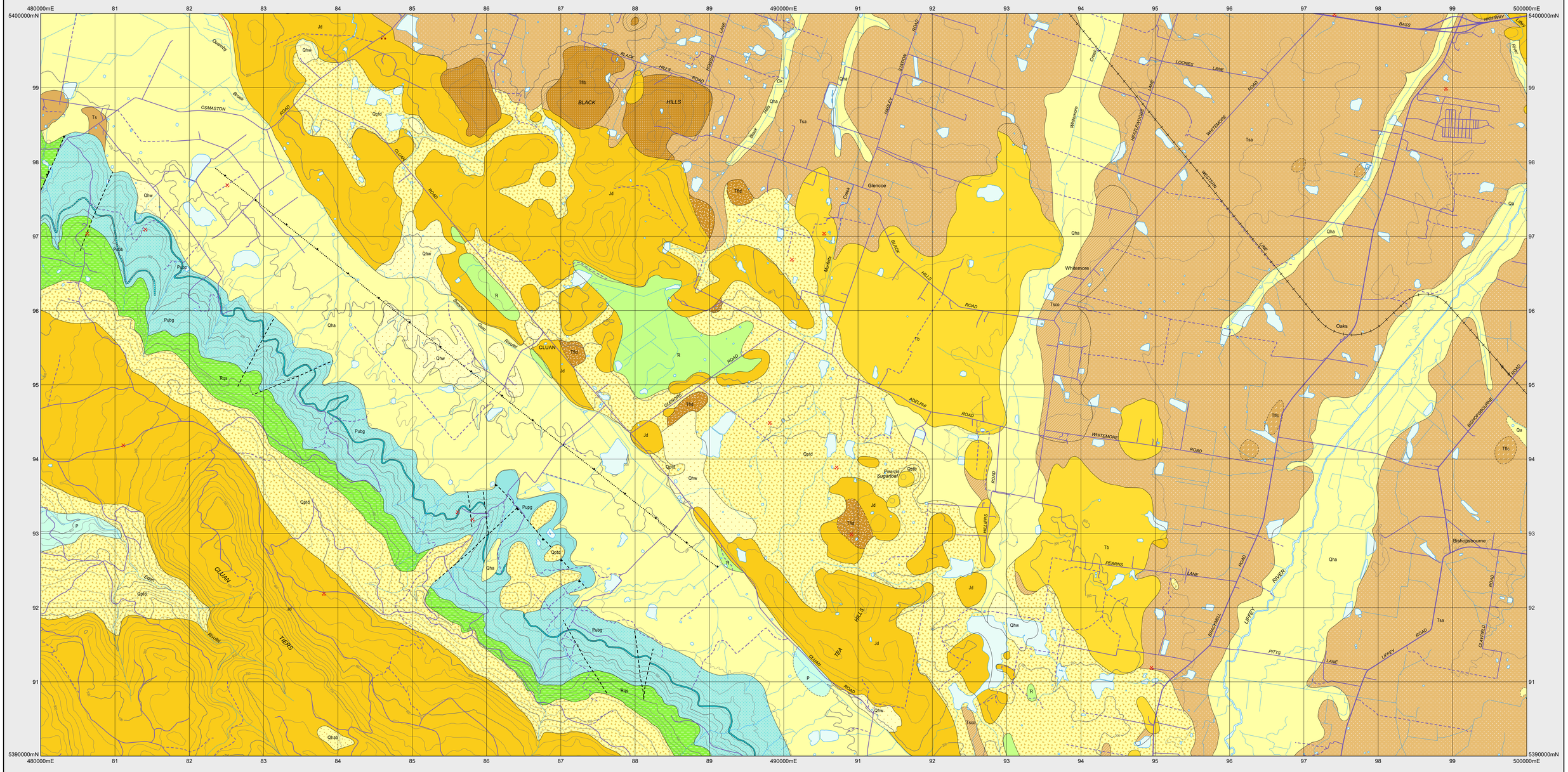
Department of State Growth
MINERAL RESOURCES TASMANIA

DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
CLUAN, SHEET 4839

CLUAN

Scale 1:25 000

0 500 1000 1500 2000 2500m



CENOZOIC

QUATERNARY

HOLOCENE

- **Qa** — *Undifferentiated Cenozoic sediments (TQ). Alluvial gravel and clay (Qa). Stream alluvium, swamp and marsh deposits (Qha).*
  - **Qha** — *Swamp and marsh deposits (Qhab).*
  - **Qhab**
- **Qhw** — *Windblown and locally derived sand (Qhw).*

PLEISTOCENE

- **Qptb** — *Basalt talus (Qptb).*
- **Qptd** — *Talus consisting dominantly of dolerite boulders (Qptd).*

PALEOGENE - NEOGENE

- **TQ**
  - **Tfld** — *Laterite derived from Paleogene - Neogene Basalt (Tflb).*
  - **Tflb** — *Laterite derived from Jurassic dolerite (Tfld).*
- **Ts** — *Undifferentiated Paleogene - Neogene sediments; dominantly non-marine sequences of quartz sand, silt, clay, and regolith (Ts).*
  - **Tb** — *Basalt (Tb).*
  - **Tfc** — *Clay with iron oxide pisoliths (Tflc).*
  - **Tsco** — *Infer-and sub-basalt gravels of predominantly quartzite pebbles (Tsco).*
  - **Tsa** — *Poorly consolidated clay, silt and and clayey labile sand with rare gravel and lignite; some iron oxide-cemented layers and concretions; some leaf fossils (Tsa).*

MESOZOIC

TRIASSIC

- **R** — *Undifferentiated Upper Parmeener Supergroup rocks (R).*
  - **Rqs** — *Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).*

PALEOZOIC

PERMIAN

- **P** — *Undifferentiated Permo-Carboniferous sediments (P).*
  - **Pubb** — *1 to 2m thick resistant unit of siliceous granule to pebble conglomerate (Blackwood Conglomerate) (Pubb).*
  - **Pubg** — *Unfossiliferous pebbly siltstone, siltstone and sandstone (Bogan Gap Group) (Pubg).*
  - **Pubp** — *3 to 5m thick resistant unit of unfossiliferous pebbly sandstone and conglomerate (Palmer Sandstone) (Pubp).*
  - **Pupg** — *Sandstone, mudstone and pebbly mudstone with marine fossils (Poatina Group) (Pupg).*

UPPER PARMEENER SUPERGROUP

LOWER PARMEENER SUPERGROUP

INTRUSIVE ROCKS

MESOZOIC — JURASSIC

- **Jd** — *Dolerite and related rocks (Jd).*

CONTACTS

- *Geological contact.*
- *Geological contact - inferred.*
- *Limit of mapping of sub-unit within undifferentiated rock unit.*

FAULTS

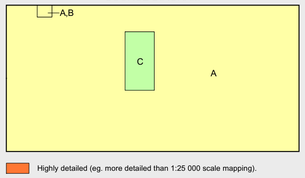
- *Fault - inferred.*
- *Normal fault (downthrown side indicated).*
- *Normal fault (downthrown side indicated) - inferred.*
- *Normal fault (downthrown side indicated) - concealed.*

LINEARS

- *Lineament - visible in magnetic data.*

- *Mineral deposit location - alluvial/tailings.*
- *Construction material/industrial mineral/gemstone location.*

SOURCE DIAGRAM



- Highly detailed (eg. more detailed than 1:25 000 scale mapping).
- Detailed systematic (eg.1:25 000 map or equivalent detail).
- Regional systematic (eg.1:50 000, 1:63 360 map or equivalent detail).
- Regional mapping less detailed than 1:63 360 map or equivalent (all other scales).
- Reconnaissance mapping with sparse ground traverses.
- Remote sensing and/or geophysical interpretation with limited or no ground information.

Compiled by M.J. Vicary, 2004 as part of the Western Tasmanian Regional Minerals Program, from the following sources (see source diagram):

A BARTON, C.M., BRAVO, A.P., GULLINE, A.B., LONGMAN, M.J., MARSHALL, B., MATHEWS, W.L., MOORE, W.R., NAVQI, I.H. and PIKE, G.P., 1969. Geological atlas 1 mile series. Sheet 46 (8214N) Quamby. Tasmania Department of Mines.

B Vicary, M. 2005. Additional map compilation and review of existing maps in western Tasmania. Mineral Resources Tasmania UR2005/05.

C MATHEWS, W.L., 1983. Geology and groundwater of the Longford Tertiary basin. Bull.Geol.Surv.Tasm. 59.

REFERENCE THIS MAP AS:

VICARY, M. (Compiler) 2004. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4639 Cluan. Mineral Resources Tasmania.

Base data from the LIST, Copyright State of Tasmania.

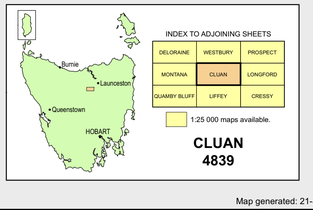
Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

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

While every care has been taken in the preparation of this data, no warranty is given as to the correctness of the information and no liability is accepted for any statement or opinion or for any error or omission. No reader should act or fail to act on the basis of any material contained herein. Readers should consult professional 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.

LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

DELORAINE	WESTBURY	PROSPECT
MONTANA	CLUAN	LONGFORD
QUAMBY BLUFF	LIFFEY	CRESSY

1:25 000 maps available.

CLUAN
4839

Map generated: 21-SEP-2023

WARNING: INKS ARE LIGHT SENSITIVE.