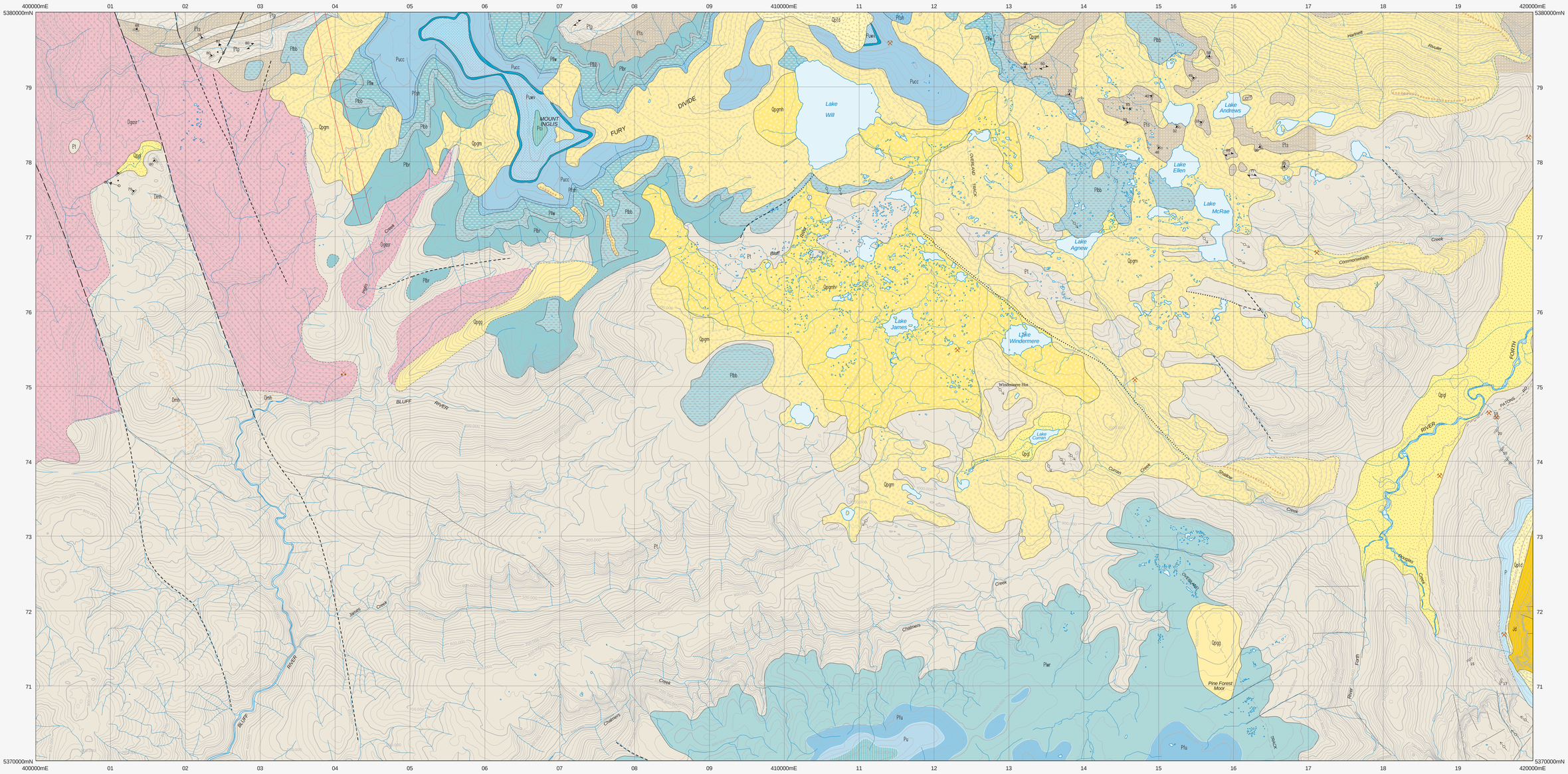
Department of Infrastructure Energy and Resources
MINERAL RESOURCES TASMANIA

DIGITAL GEOLOGICAL ATLAS 1:25 000 SCALE SERIES
WILL, SHEET 4037

WILL

Scale: 1:25 000

0 500 1000 1500 2000 2500m



CENOZOIC

QUATERNARY – PLEISTOCENE

- **Qptd** — *Talus consisting dominantly of dolerite boulders (Qptd).*
- **Qpgl** — *Fluvioglacial and lacustrine deposits (Qpgl).*
- **Qpgg**
  - **Qpgmh** — *Hummocky moraine (Qpgmh).*
  - **Qpgm** — *Glacial and glaciogene deposits (Qpgg). Moraine and associated deposits (Qpgm).*

PALEOZOIC

PERMIAN

Mt Inglis –Lake Will Area

UPPER PARMENER SUPERGROUP

- **Pcl** — *Well bedded to massive quartzo–feldspathic sandstone, bioturbated argillaceous mudstone and carbonaceous shale and sandstone. (Mt Inglis Sandstone) (Pcl).*
- **Puwv** — *Predominantly blue–grey unfossiliferous mudstone and siltstone (Waterfall Valley Siltstone) (Puwv).*

LOWER PARMENER SUPERGROUP

- **Pubps** — *Fine to coarse grained quartzo–feldspathic sandstone and minor pebble conglomerate (Benson Peak Sandstone) (Pubps).*
- **Pucc** — *Well bedded micaceous and argillaceous siltstone with minor pebbly siltstone, calcareous siltstone and fossiliferous limestone. (Cradle Cirque Siltstone) (Pucc).*
- **Pfsh** — *Black carconaceous siltstone, quartzose siltstone and quartzo–feldspathic sandstone (Lake Holmes Coal Measures) (Pfsh).*
- **Pfw** — *Well stratified sequence of siltstone and conglomerate, calcareous siltstone, mudstone and sandstone (Lake Will Pebbly Siltstone) (Pfw).*
- **Pibb** — *Massive, poorly bedded and sorted pebble–boulder grade conglomerate (Barn Bluff Conglomerate) (Pibb).*
- **Pibr** — *Pebbly siltstone and conglomerate with minor limestone and sandstone (Bluff River Pebbly Siltstone) (Pibr).*

Pine Forest Moor –Mt Oakleigh Area

UPPER PARMENER SUPERGROUP

- **P**
  - **Pc** — *Undifferentiated Cygnet Coal Measures (Pc).*
  - **Pu** — *Undifferentiated Upper Glaciomarine Sequence. Possible correlate of Ferntree Group (Pu).*

LOWER PARMENER SUPERGROUP

- **Pfu** — *Undifferentiated Mersy and Woodbridge Groups (Pfu).*
- **Plwr** — *Grey–black pebbly mudstone with minor sandstone, conglomerate and black shale. Includes lower unit of cobble conglomerate in some areas. (Possible correlate of Wallace River Group and lower Basal Conglomerate) (Plwr).*

MESOPROTEROZOIC

TYENNAN REGION METASEDIMENTS

- **Pt**
  - **Pts** — *Dominantly quartzite (Pts).*
  - **Ptp** — *Dominantly phyllite (Ptp).*

PALEOZOIC – MESOZOIC

JURASSIC

INTRUSIVE ROCKS

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

DEVONIAN

- **Dgqsr** — *Medium– to coarse–grained, porphyritic (K–feldspar) to equigranular, biotite–muscovite–bearing alkali feldspar granite (Granite Tor Granite; S–type) (Dgqsr).*

ALTERATION

- **Dmh** — *Calc–silicate hornfels (Dmh).*

Geological boundary – position accurate or approximate.
Geological boundary – inferred.
Geological boundary – inferred from airborne radiometric data.
Fault – position accurate or approximate.
Fault – inferred.
Fault – concealed.
Lineament visible on aerial photographs.
Lineament visible in airborne magnetic data.
Moraine ridge crest.
(white line) Limit of mapping of sub–unit within undifferentiated rock unit.

Strike and dip of metamorphic foliation other than cleavage, parallel to compositional layering.
Strike and dip of cleavage, relative local age S2.
Strike of vertical cleavage, relative local age S2.
Trend and plunge of lineation L2 formed by intersection of cleavages or foliations of relative local ages S1 and S2, relative local age F2.
Glacial striae, showing sense of movement.
Field station for adjacent readings on the map.
Mineral deposit location – hardrock – Data derived from Mineral Resources Tasmania DEPOSITS database. Data point position has not been verified in every case.

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

A BARTON, C.M., BURNS, K.L., GEE, R.D., GROVES, D.I., GULLINE, A.B., JENNINGS, D.J., LONGMAN, M.J., MARSHALL, B., MATHEWS, W.L., MOORE, W.R., NAQVI, I.H., THREADER, V.M. and URQUHART, G. 1966. Geological Atlas 1:63 360 Series. 8014N I & IV Zone 7 Sheet 44, Mackintosh. Tasmania Department of Mines.

B GEE, R.D. and BURNS, K.L. 1968. Permian stratigraphy and sedimentation in the Barn Bluff area, Central Tasmania. Rep. geol. surv. Tasm. 10.

C JENNINGS, I.B. and BURNS, K.L. 1958. Geological Atlas 1:63 360 Series. Zone 7 Sheet 45, Middlesex. Tasmania Department of Mines.

D JENNINGS, I.B., MACLEOD, W.N., BURNS, K.L., JACK, R.H., MATTHEWS, W.L., ROBINSON, R.G. and THREADER, V.M. 1961. Geological Atlas 1:63 360 Series. Zone 7 Sheet 52, Du Cane. Tasmania Department of Mines.

E Air photograph and WTRMP geophysical data interpretation by M. Vicary.

F MCCLENAGHAN, M.P. 2003. Ground truthing of Western Tasmanian Regional Minerals Program geophysical data in the Granite Tor area. Tasmanian Geological Survey Record 2003/10. Mineral Resources Tasmania.

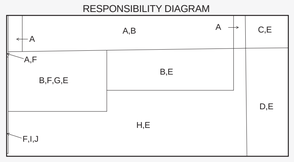
G SPEIJERS, D.C. 1979. Report on exploration of EL2/1978 during 1980. Unpublished Report. Alcoa of Australia Limited Exploration Division. TCR 80–1490.

H CORBETT, K.D., and BROWN, A.V. 1975. Mapping based largely on air photo interpretation. Geological Atlas 1:250 000 Sheet SK55–5. Queenstown. Mineral Resources Tasmania.

I MCNEILL, A.W. 1987. Geology of the Mt Murchison area. Map 4. Mt Read Volcanics Project. Department of Mines, Tasmania.

J Air photo interpretation by D.B. Seymour.

RESPONSIBILITY DIAGRAM



REFERENCE THIS MAP AS:

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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using G.I.S. software.

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

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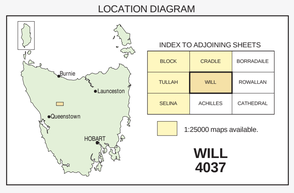
LOCATION DIAGRAM



INDEX TO ADJOINING SHEETS

BLOCK	CRADLE	BORRADAILE
TULLAH	WILL	ROWALLAN
SELINA	ACHILES	CATHEDRAL

1:25000 maps available.

WILL
4037

Plotfile for this map generated from digital data as at: 26-JUN-2013

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