

WILL

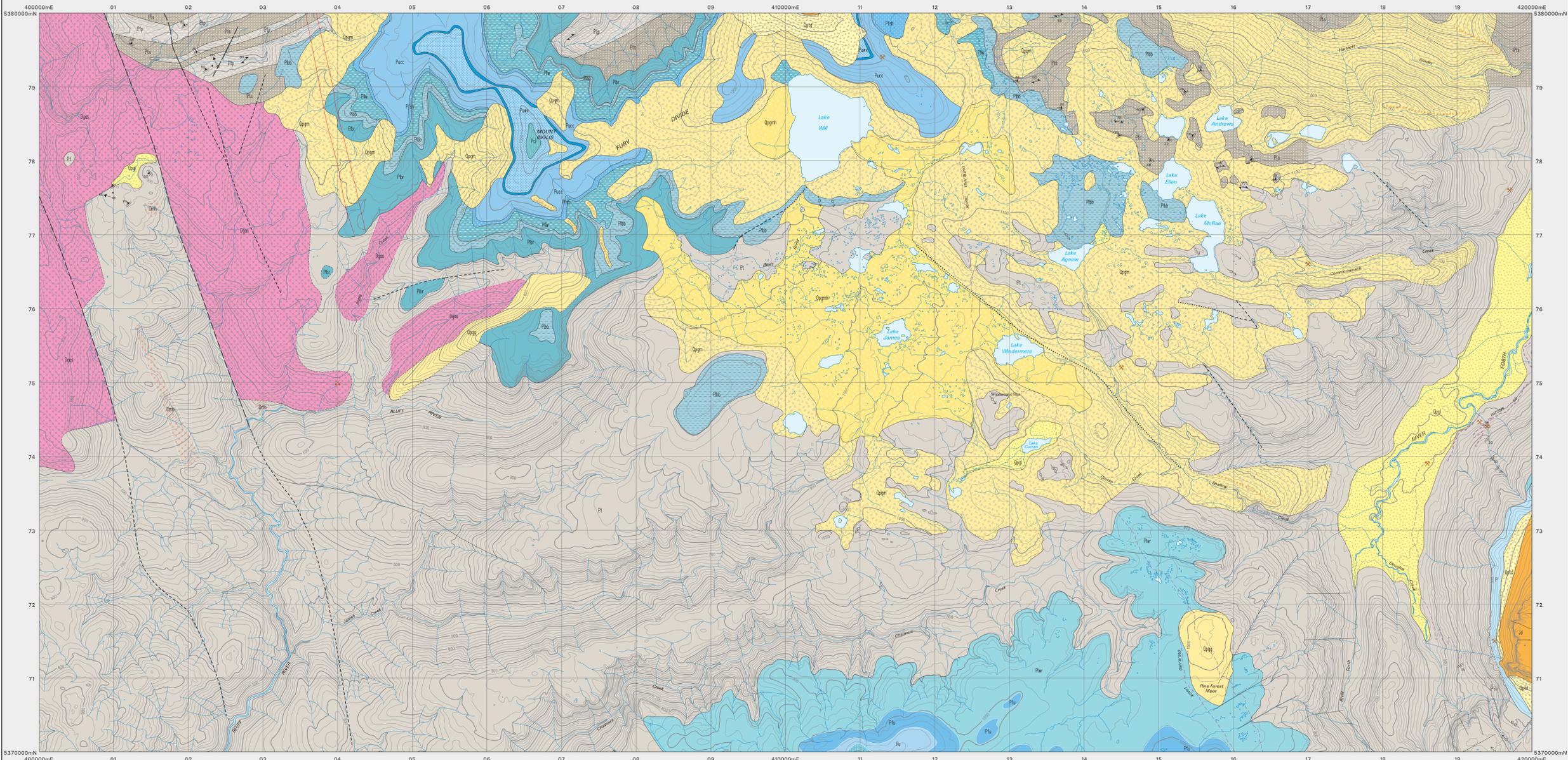
Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
WILL, SHEET 4037



MINERAL RESOURCES
TASMANIA
Tasmania
DEPARTMENT OF INFRASTRUCTURE
ENERGY AND RESOURCES



CAINIZOIC
QUATERNARY
PLEISTOCENE
PERMIAN
MESOZOIC
DEVONIAN
PALAEOZOIC
DEVONIAN
PROTEROZOIC
MESO-PROTEROZOIC
TYERNAN REGION METASEDIMENTS

Opdp	Talus consisting dominantly of dolerite boulders (Opdp).
Oppl	Fluvioglacial and lacustrine deposits (Oppl).
Oqgn	Hammocky moraine (Oqgn).
Oqgp	Glacial and glaciogenic deposits (Oqgp).
Oqgm	Moraine and associated deposits (Oqgm).
Pc	Well bedded to massive quartz-feldspathic sandstone, bioturbated argillaceous mudstone and carbonaceous shale and sandstone (Mt Inglis Sandstone) (Pc).
Puv	Predominantly blue-grey unfossiliferous mudstone and siltstone (Waterfall Valley Siltstone) (Puv).
Pubps	Fine to coarse grained quartz-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 (Crade Group Siltstone) (Pucc).
Pfsh	Block carbonaceous siltstone, quartzite siltstone and quartz-feldspathic sandstone (Lake Holmes Coal Measures) (Pfsh).
Pfa	Well stratified sequence of siltstone and conglomerate, calcareous siltstone, mudstone and sandstone (Lake Will Pebbly Siltstone) (Pfa).
Pfb	Massive, poorly bedded and sorted pebble-boulder grade conglomerate (Barr Bluff Conglomerate) (Pfb).
Pbr	Pebbly siltstone and conglomerate with minor limestone and sandstone (Burr River Pebbly Siltstone) (Pbr).
Pc	Undifferentiated Cygnet Coal Measures (Pc).
Pu	Undifferentiated Upper Gocimaire Sequence. Possible correlate of Fernree Group (Pu).
Pfu	Undifferentiated Mersy and Woodbridge Groups (Pfu).
Pwr	Grey-black pebbly mudstone with minor sandstone, conglomerate and black shale. Includes lower unit of rubble conglomerate in some areas. Possible correlate of Wallace River Group and lower Basal Conglomerate (Pwr).
Ptq	Dominantly quartzite (Ptq).
Ptp	Dominantly phyllite (Ptp).

INTRUSIVE ROCKS

JURASSIC
Jd Dolerite and related rocks (Jd).

DEVONIAN
Dgrs Undifferentiated alkali-feldspar granite/granite/odanellite (S type) (Dgrs).

ALTERATION

DEVONIAN
Dmri Calc-silicate hornfels (Dmri).

- 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 stria, showing sense of movement.
- Field station for adjacent readings on the map.
- Mineral deposit location - hardrock
- Mineral deposit location - alluvial
- Construction materials location - Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
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Compiled by M.J. Vicar, 2004 as part of the Western Tasmania 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., LEHMAN, M.J., MATHESON, L.L., MATHEWS, W.L., JACOB, W.A., BAYLY, L.H., THREADER, V.M. and URCUNART, G. 1990. Geological atlas 1 mile series, 8014N 1 & IV Zone 7 Sheet 44 Macleod. Tasmania Department of Mines.

B. GEE, R.D. and BURNS, K.L. 1968. Permian stratigraphy and sedimentation in the Barr Bluff area, central Tasmania. Rep. geol. surv. Tas. 10.

C. JENNINGS, L.B. and BURNS, K.L. 1958. Geological atlas 1 mile series, Zone 7 Sheet 45 Middlesex. Tasmania Department of Mines.

D. JENNINGS, L.B., MACLEOD, W.A., BURNS, K.L., JACK, R.H., MATHEWS, W.L., ROBINSON, R.G. and THREADER, V.M. 1961. Geological atlas 1 mile series, Zone 7 Sheet 52 Du Cane. Tasmania Department of Mines.

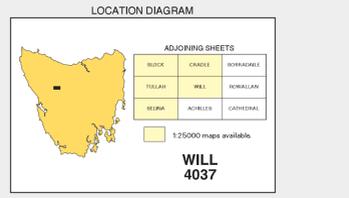
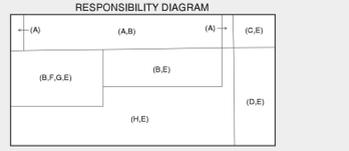
E. Air photograph and VTEM geophysical data interpretation by M. Vicar.

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

G. SPELERS, G.C. 1979. Report on exploration of EL21978 during 1980. Unpublished Report. Alcoa of Australia Limited Exploration Division, TCJ 80/1480.

H. CORBETT, K.D. and BROWN, A.V. 1975. Mapping based largely on air photo interpretation. Geological atlas 1:50,000 Sheet SK55-5, Queenstown. Mineral Resources Tasmania.

Digital base information from Information and Land Services Division, Department of Primary Industries, Water and Environment.
Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.
ACTSDI - AMIS Zone 55. Geospatial Information Services.



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