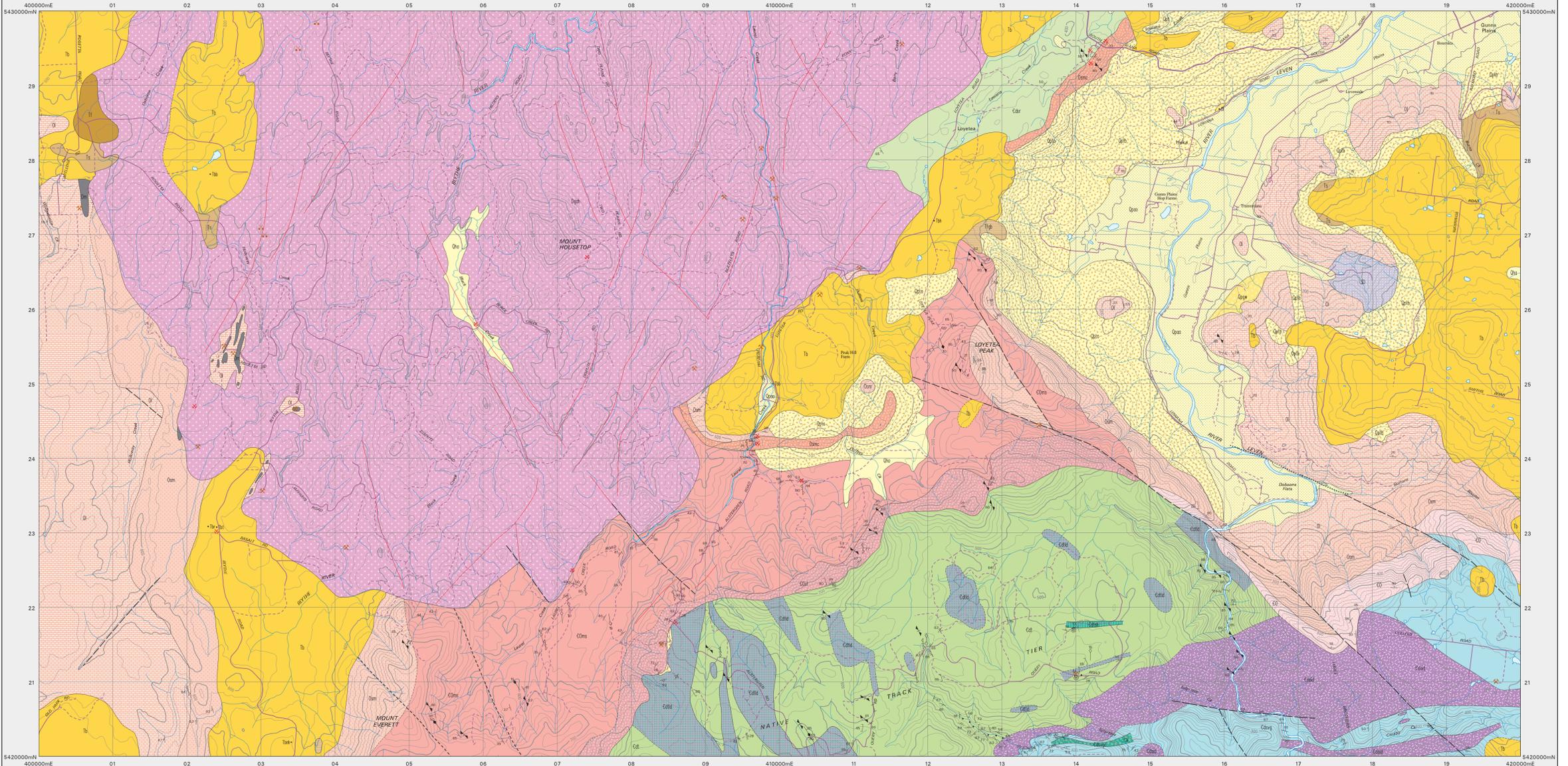


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Scale: 1:25 000



MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
LOYETEA, SHEET 4042



400000mE 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 420000mE
5430000mN 28 27 26 25 24 23 22 21 5420000mN

CENOZOIC	QUATERNARY	<p>HOLOCENE</p> <ul style="list-style-type: none"> Qha Stream alluvium, swamp and marsh deposits (Qha). Qop Basalt tals (Qop). Qo Quartz sandstone and conglomerate tals derived from Owen Group corallites (Qo). Qpao Older alluvium (Qpao). Qpw Weathered til (Qpw). 	ELDON GROUP GORDON GROUP OWEN GROUP
	PLEISTOCENE	<ul style="list-style-type: none"> Ts Basalt (Tb), including local occurrence of basaltite (Tb), howlite (Tb), nepheline howlite (Tb), transitional siliceous basalt (Tb) and siliceous basaltite (Tb). Ts Terrestrial sand, gravel and minor lacustrine deposits (Ts). Tf Ferriferite (Tf). Tfg Greyilly and siltcrete (Tfg). 	
	PALEOZOIC	<ul style="list-style-type: none"> SD Shallow marine quartz sandstone, siltstone and shale (SD). Oi Limestone (correlate of Gordon Limestone) (Oi). Om Grey poorly sorted fine-grained sandstone, commonly bioturbated (correlate of Mona Sandstone) (Om). Om Grey medium-to coarse-grained sandstone and pebble-cobble conglomerate, rarely bioturbated (Om). CO Undifferentiated Owen Group (CO). COms Grey to black quartzose sandstone (COms). COcl Lower Sequence of siliceous pebble-cobble grade conglomerate with sandstone interbeds (COcl). 	

PALEOZOIC	LATE MIDDLE CAMBRIAN - MIDDLE CAMBRIAN	<ul style="list-style-type: none"> Cot Predominantly crystal +/- Rhy rich volcanoclastic sediments with minor siltstone and minor acid to intermediate volcanics (Cot). Cotsh Siltstone-shale horizon within Tynald Group (Cotsh). Cotpl Plagioclase +/- hornblende phytic dacite lava may include some shallow intrusive localities (Cotpl). Cdar Undifferentiated mainly sedimentary sequence of shale, siltstone, lithicwacke sandstone and conglomerate with minor volcanoclastic units (Rona sequence, in part correlate of Tynald Group) (Cdar). Cdavg Grey to green massive to bedded reactive pebble conglomerate and laminated siltstone, with clasts of quartzite and chert (correlate of Dog Range Greywacke) (Cdavg). 	MOUNT READ VOLCANICS AND CORRELATES VOLCANIC-SEDIMENTARY SEQUENCE
	MIDDLE CAMBRIAN	<p>INTRUSIVE ROCKS</p> <ul style="list-style-type: none"> Dgah Dominantly equigranular to sparsely porphyritic fine- to medium-grained biotite +/- hornblende phytic granite/catenite (I type) (House Top Granite) (Dgah). Coag Massive plagioclase - hornblende phytic dioritic, andesitic and dacitic intrusives (Lobster Creek intrusives) (Coag). 	
PALEOZOIC	DEVONIAN	<p>MINERALISATION</p> <ul style="list-style-type: none"> Dm Magnetite skarn (Dm). 	MOUNT READ VOLCANICS

- Strike and dip of bedding, right way up.
- Strike and dip of bedding, facing unknown.
- Strike and dip of bedding of compositional layering.
- Strike and dip of primary igneous banding or platy alignment, and schistosity in granitic rocks.
- Strike of vertical igneous banding or platy alignment, and schistosity in granitic rocks.
- Strike and dip of cleavage of unspecified type and relative age.
- Strike of vertical cleavage of unspecified type and relative age.
- Strike and dip of cleavage, relative local age S1.
- Strike of vertical cleavage, relative local age S1.
- Strike and dip of cleavage, relative local age S3.
- Strike and dip of cleavage, relative local age S3.
- Strike and dip of cleavage, relative local age S4.
- Strike of vertical cleavage, relative local age S4.
- Trend and plunge of minor fold hinge line, relative local age F1, with vertical and surface.
- Trend and plunge of minor fold hinge line, relative local age F3.
- Trend of horizontal minor fold hinge line, relative local age F3.
- Trend and plunge of minor fold hinge line, relative local age F4.
- Trend and plunge of minor fold hinge line, relative local age F4, with dip and dip direction of axial surface.
- Field station for adjacent readings on map.
- Notable small outcrop with rock unit indicated.
- Fossil location.
- Mineral deposit location - hardrock Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
- Mineral deposit location - alluvial Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.
- Construction materials location Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

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

A. Balla, P.W. Williams, P.R. Seymour, D.B. Lennox, P.G. and Gross, G.R. 1986. Geologic atlas 1:50,000 series. Sheet 36 (80/5N) St Valentines. Tasmania Department of Mines.

B. Jennings, I.B. Burns, K.L. Payne, S.J. and Robinson, R.G. 1959. Geological atlas 1:50,000 series. Sheet 37 (80/5N) St Valentines. Tasmania Department of Mines.

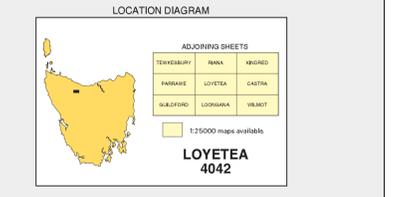
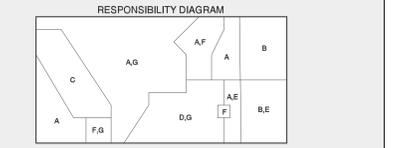
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D. Vicary, M.J. 1994. Exploration Licence No. 42/82 Laongana Annual Report May 1993 - May 1994. Unpublished Report, RSC Exploration Pty Ltd, TCR 94-3665.

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F. Gifford, K.D. 2002. Bedrock geological map of the Ouse River - Sheffield area, North West Tasmania, Mineral Resources Tasmania.

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



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A0068 - AM0 Zone 55. Contour Interval: 20 metres.

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