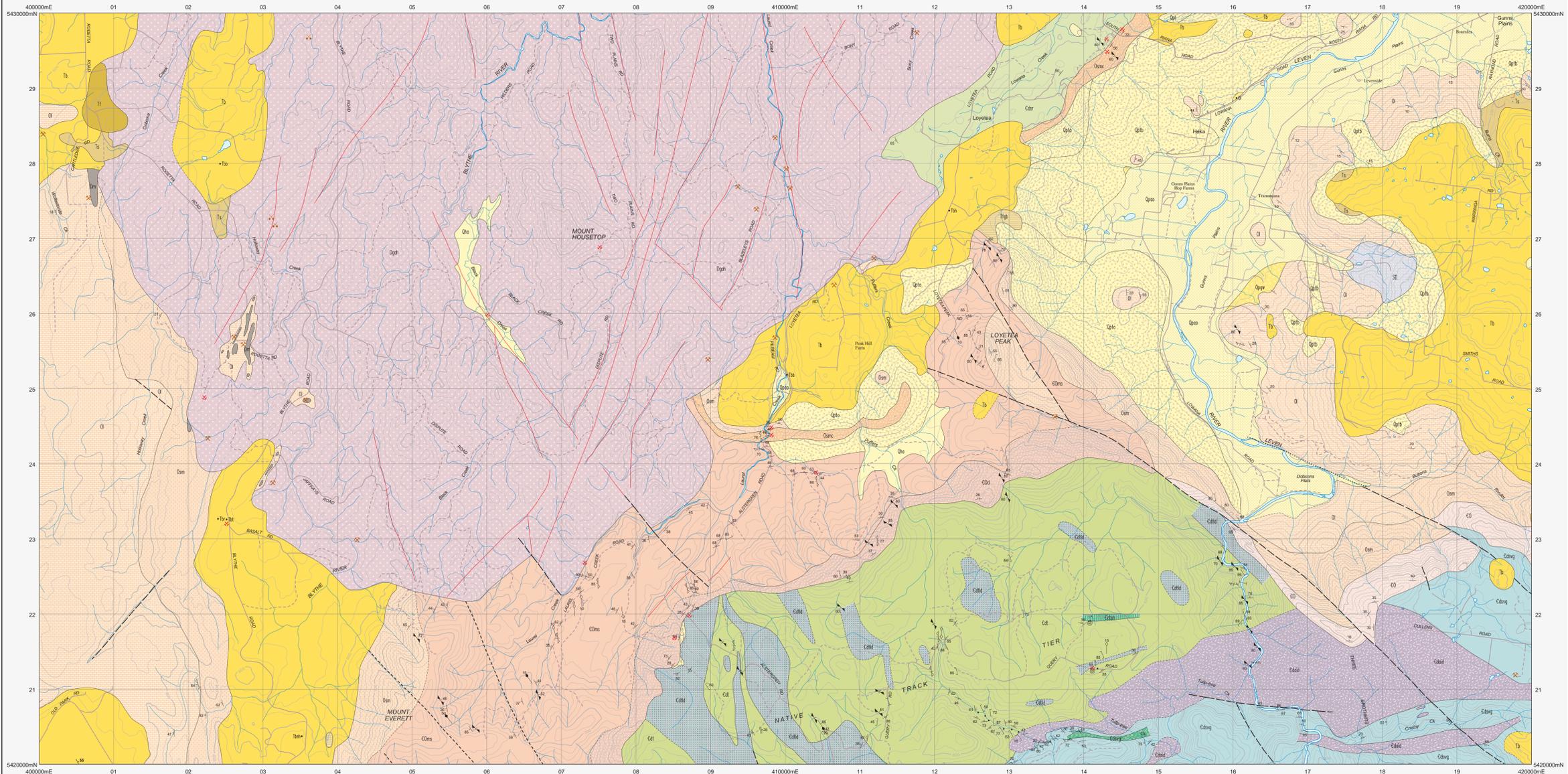


LOYETEA

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	PLEISTOCENE	HOLOCENE
	Oha	Stream alluvium, swamp and marsh deposits (Oha).
	Oqtb	Basalt tuffa (Oqtb).
	Oqta	Quartz sandstone and conglomerate tuffa derived from Owen Group correlative (Oqta).
	Oqao	Older alluvium (Oqao).
	Oqwg	Weathered till (Oqwg).
PALEOGENE - MIOCENE	Tb	Basalt (Tb) including local occurrence of basaltic (Tba), hawaiite (Tbb), nepheline hawaiite (Tbn), transitional olivine basalt (Tbv) and olivine tholeiite (Tbt).
	Ts	Terrestrial sand, gravel and minor lacustrine deposits (Ts).
	Tf	Ferricrete (Tf).
DEVONIAN	Tfsg	Greybls and siltcrete (Tfsg).
	SD	Shallow marine quartz sandstone, siltstone and shale (SD).
	Oi	Limestone (correlative of Gordon Limestone) (Oi).
	Osm	Grey poorly sorted fine-grained siltstone, commonly bioturbated (correlative of Mole Sandstone) (Osm).
PALEOZOIC	Osmc	Grey medium- to coarse-grained sandstone and pebble-cobble conglomerate, rarely bioturbated (Osmc).
	CO	Undifferentiated Owen Group (CO).
	COms	Grey to black quartzose sandstone (COms).
	COca	Lower sequence of siliceous pebble-cobble grade conglomerate with sandstone interbeds (COca).

PALEOZOIC	CAMBRIAN	
	CAMBRIAN SERIES 3	TINDALL GROUP
	Cdt	Predominantly crystal +/-, lithic rich volcanoclastic sediments with minor siltstone and minor acid to intermediate volcanics (Cdt).
	Cdth	Siltstone-shale horizon within Tindall Group (Cdth).
	Cdbrk	Phyllosite (+/- hornblende) phytic dacite lava; may include some shallow intrusive bodies (Cdbrk).
	Cdsr	Undifferentiated mainly sedimentary sequence of shale, siltstone, lithicwacke, sandstone and conglomerate with minor volcanoclastic units (Riana sequence, in part correlative of Tindall Group) (Cdsr).
	Cdsvg	Grey to green massive to bedded weakly pebble conglomerate and laminated siltstone, with clasts of quartzite and chert (correlative of Dog Range Greywacke) (Cdsvg).
	Cdsvpc	Siliceous granule-pebble conglomerate (Cdsvpc).

PALEOZOIC	DEVONIAN	
	CAMBRIAN SERIES 3	DEVONIAN
	Dgth	Dominantly medium- to coarse-grained, equigranular, biotite +/- hornblende-bearing alkali feldspar granite/syenogranite/monzonite, with minor porphyritic and fine-grained variants (House Top Granite, f-type) (Dgth).
	COdb	Massive phyllosite - hornblende phytic dioritic, andesitic and dacitic intrusives (Lobster Creek intrusives) (COdb).

MINERALISATION	
Dm	Magnetite skarn (Dm).

- Geological boundary - position accurate or approximate.
- Geological boundary - inferred.
- Fault - position accurate or approximate.
- Fault - inferred.
- Fault - concealed.
- Lineament visible in airborne magnetic data (white line).
- Limit of mapping of sub-unit within undifferentiated rock unit.

- Strike and dip of bedding, right way up, facing unknown.
- Strike and dip of bedding of compositional layering.
- Strike and dip of primary igneous banding or platy alignment, and schlieren in granitic rocks.
- Strike of vertical igneous banding or platy alignment, and schlieren in granitic rocks.
- Strike and dip of cleavage of unspecified type and relative age; vertical.
- Strike and dip of cleavage, relative local age S1, vertical.
- Strike and dip of cleavage, relative local age S4, vertical.
- Trend and plunge of minor fold hinge line, relative local age F1, with vertical axial surface.
- Trend and plunge of minor fold hinge line, relative local age F3, horizontal.
- 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.
- Mineral deposit location - alluvial/tailings.
- Construction material/industrial mineral/gemstone location.

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

A BAILLIE, P.W., WILLIAMS, P.R., SEYMOUR, D.S., LENNOX, P.G. and GREEN, G.R. 1986. Geological Atlas 1:50,000 Series, Sheet 36 (BROWN, S.) Valentines, Tasmania Department of Mines.

B SEYMOUR, D.S., BURNS, L.L., MAYNE, S.J. and ROBINSON, G.L. 1969. Geological Atlas 1 Mile Series, Zone 7 Sheet 37, Sheffield, Tasmania Department of Mines.

C McKinnon, M.V. 1994. Review of the geology of the Kars area. Unpublished Report, McKinnon Mining Pty Ltd, Tasmania Mines Limited, TCR 94-3697.

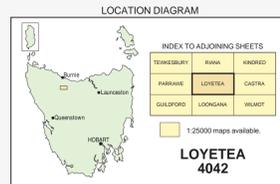
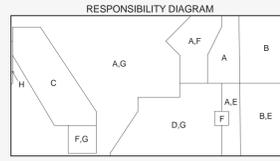
D Vicary, M.J. 1996. Exploration License No. 4292 Longana Annual Report May 1993 - May 1994. Unpublished Report, ROC Exploration Pty Ltd, TCR 94-3652.

E Vicary, M.J. 1995. Exploration License No. 4292 Longana Annual Report May 1993 - May 1995. Unpublished Report, ROC Exploration Pty Ltd, TCR 94-3652.

F Cothell, K.D. 2003. Bedrock geological map of the Que River - Sheffield area, North West Tasmania. Mineral Resources Tasmania.

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

H TAHERI, J. & GREEN, G.R. 1989. Mt Read Volcanics Project, Metalic Minerals Deposits Map Series, Longana, Tasmania Department of Mines.



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GDAS4 - MGA Zone 55. Contour Interval: 20 metres.



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