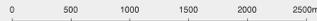
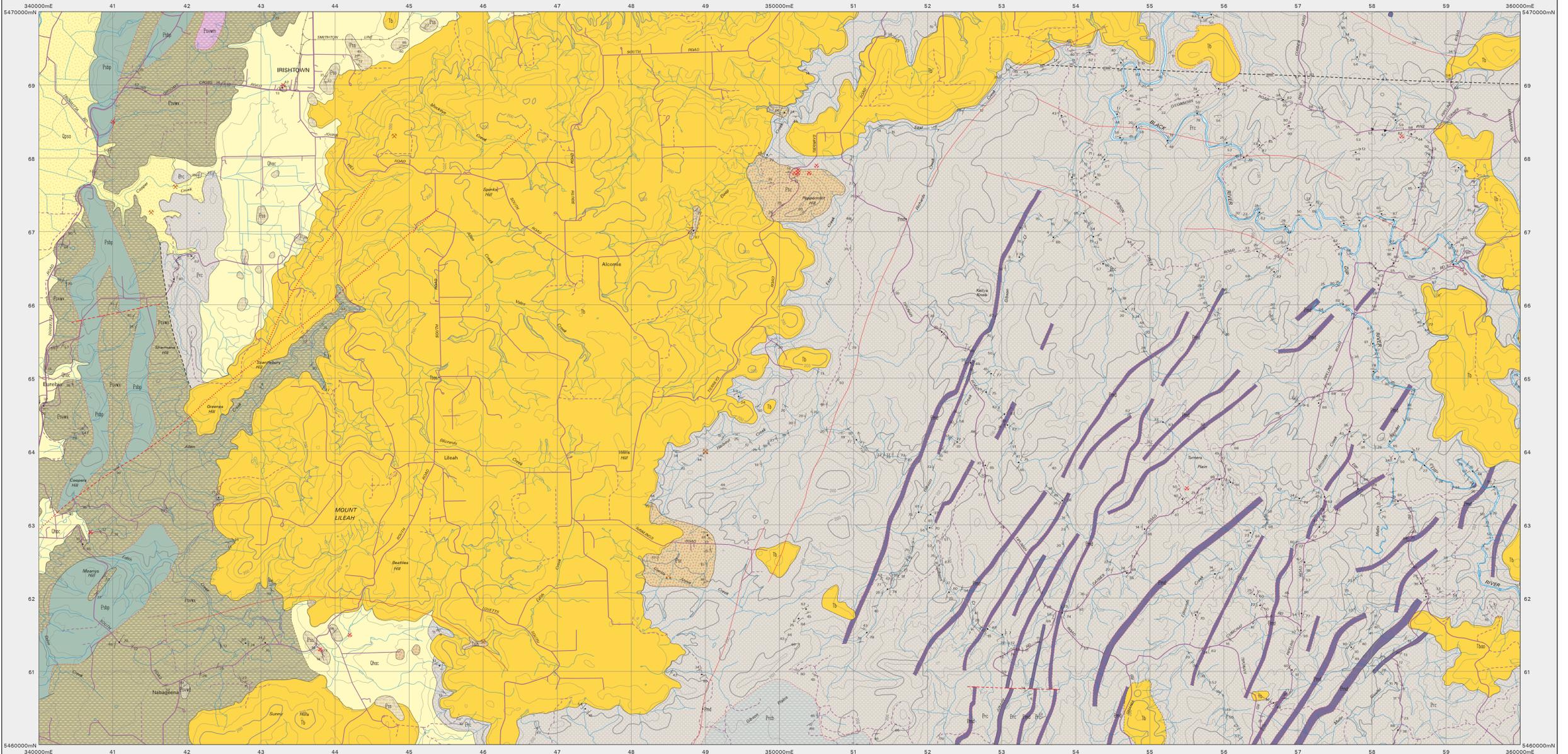


LILEAH

Scale: 1:25 000



TASMANIAN GEOLOGICAL SURVEY
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
LILEAH, SHEET 3446



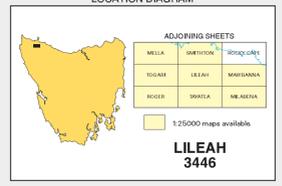
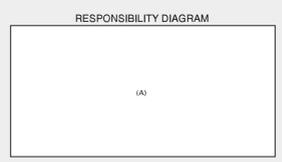
Compiled by D.B. Seymour, B.Sc.(Hons), Ph.D. (2003) from the following sources (see Responsibility Diagram):
A. Lavers, P.C., Curlett, A.D., Bulla, P.W., Corbett, E.B., Brown, A.J. 1982. Geological Atlas 1:50,000 Series, Sheet 21 (79165). Smithsonian Department of Mineral Resources.
Recompiled from original 1:15,840 compilation and original structural data, with modifications and additions based on interpretation of airborne magnetic and radiometric data collected under the Western Tasmanian Regional Minerals Program 2001.

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 GIS software, AGI66 - AMG Zone 55. Contour interval 20 metres.

EPOCH	GROUP	UNIT		DESCRIPTION	
		Symbol	Color		
CENOZOIC	QUATERNARY	Qhac	Yellow	Alluvium and colluvium - including alluvial deposits of sand, clay-rich sand or gravel, talus and slope-wash deposits; sapping deposits of sand, clay and peat; and deposits rich in chert lag derived with associated soil from underlying Proterozoic dolomite sequences. (Qhac)	
		Qpsa	Light blue	Older stabilised aeolian sand of predominantly coastal plain, with underlying marine sands in places; may show raised, low-lying terraces, lunettes, linear or baraban dunes, and bays; ridges related to regressive strandlines of Last Interglacial Stage (Qpsa). Erosional Surface.	
		Tb, Tsb	Orange	Basalt lava (Tb), alkali olivine basalt indicated (Tbaa), intradune deposits of sandstone, clay, lignite and quartz-stone (siltstone or greyish) (Tsb).	
CENOZOIC	TERTIARY	Angular unconformity.			
		Psp	Light green	Interbedded lithic rocks (massive to well bedded, turbiditic and/or mafic volcanoclastic in part), laminated siltstone/mudstone, and minor dolomitic lithic conglomerate including some occurrences of coarse breccia or mudite with clasts of mafic volcanic rock (Pspw). (Correlates of Kegel Creek Formation, may include some equivalents of Cruse Hill Member).	
		Pspw	Light green	Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Pspw). (Correlates of Spinks Creek Volcanics).	
		Pspw	Light green	Interbedded dolomitic siltstone and laminated dolomite within Kegel Creek Formation (Pspw). Non-volcanic units with positive magnetic signature within Kegel Creek Formation, probably ferruginous siltstone or ironstone, with lateritic soil development in some areas (Pspw).	
		Psa	Light green	Interbedded dolomite, chert, siltstone and mudstone (Psa). (Correlates of Black River Dolomite).	
CENOZOIC	TERTIARY	Erosional and transgressive surface; low angle unconformity of some localities.			
		Erc	Dark grey	Interbedded, black, dark grey and green, commonly pyritic laminated siltstone and mudstone, with rare sandstone and mud pebble conglomerate (Erc). Mappable unit of distinctively colour-banded grey to olive green laminated siltstone (Ercb). (Erc, Ercb: correlates of Cowie Siltstone).	
		Ercb	Dark grey		
CENOZOIC	TERTIARY	ROCKY CREEK GROUP			
		Tertiary igneous rocks			

SYMBOL	DESCRIPTION
Tb	Basalt lava (Tb), alkali olivine basalt (Tbaa).
Psp	Massive and amygdaloidal, dominantly tholeiitic basalt, commonly with pillows (Psp). (Correlates of Spinks Creek Volcanics).
Erc	Dolerite dyke (Ercd).
--- (solid)	Geological boundary - position accurate or approximate.
--- (dashed)	Geological boundary - inferred.
--- (dotted)	Geological boundary - transitional. Position of this boundary between units Qhac and Qpsa is very approximate and indicative only.
--- (dash-dot)	Geological boundary, unspecified type, inferred from airborne magnetic and/or radiometric data.
--- (long-dash)	Lineament visible in airborne magnetic and/or radiometric data.
--- (short-dash)	Fault, unspecified type, inferred.
--- (dash-dot-dot)	Fault, unspecified type, inferred from airborne magnetic and/or radiometric data.
--- (dotted)	Fault, unspecified type, concealed, inferred from airborne magnetic and/or radiometric data.
--- (dash-dot-dot-dot)	Strike-slip fault, dextral, inferred.
--- (white line)	Limit of mapping of sub-unit within undifferentiated rock unit.
•	Notable small outcrop, lithology indicated.

↗ ↘	Strike and dip of bedding - facing known; facing unknown; vertical, facing unknown.
↗ ↘	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical.
↗ ↘	Trend and plunge of hingeline of minor fold, relative age unspecified; with dip and dip direction of axial surface; vertical axial surface.
↗ ↘	Trend and plunge of hingeline of minor fold, relative local age F2.
✂	Mineral deposit location - hardrock
✂	Mineral deposit location - alluvial
✂	Mineral deposit location - Data derived from Mineral Resources Tasmania MRECH data base. Disposition position has not been verified in every case.
✂	Construction materials location - Data derived from Mineral Resources Tasmania COMAT data base. Disposition position has not been verified in every case.



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Date correct & plotfile generated: 01-JUL-2004