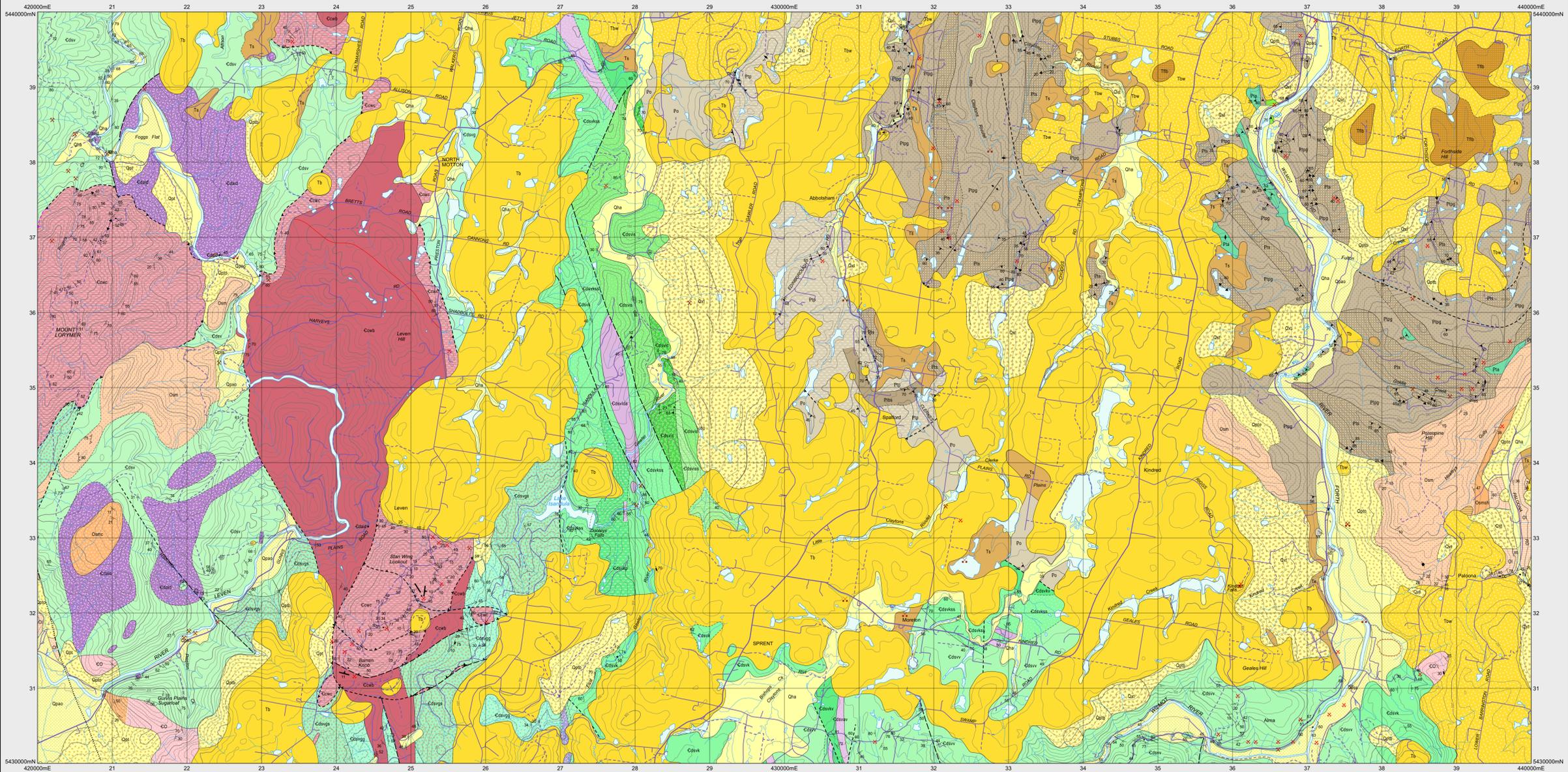


KINDRED

Scale 1:25 000



PERIOD	UNIT	DESCRIPTION
CENOZOIC	Quaternary	Qha: Stream alluvium, swamp and marsh deposits (Qha).
	Quaternary	Qaf: Alluvial fans (Qaf).
	Quaternary	Qst: Landslide deposits predominantly derived from weathered Tertiary rocks (Qst).
	Quaternary	Qpl: Talus, fill and some of probable Pleistocene age (Qpl). Basal talus (Qpl).
	Quaternary	Qpt: Talus consisting dominantly of dolerite boulders (Qpt).
	Quaternary	Qco: Quartz sandstone and conglomerate talus derived from Owen and Gordon Group corallites (Qco).
	Quaternary	Qar: Older alluvium (Qar).
	Quaternary	Tsqm: Siltstone developed on Palaeogene - Neogene or older rocks (Tsqm).
	Quaternary	Ttb: Latite derived from Palaeogene - Neogene basalt (Ttb).
	Quaternary	Tb: Predominantly deeply-weathered basalt (Tb).
PALEOZOIC - NEOGENE	Ts: Basalt (Ts).	
	Ts: Terrestrial sand, gravel and minor lacustrine deposits (Ts).	
DEVONIAN	Dc: Terrestrial cavern filling (Eugenean Beds) (Dc).	
ORDOVICIAN	Oi: Limestone (correlate of Gordon Limestone) (Oi).	
	Osmh: Calcareous siltstone and sandstone. Transitional unit from Mount Sandstone to Gordon Limestone (Osmh).	
	Osm: Grey poorly sorted fine-grained sandstone, commonly indurated (correlate of Mount Sandstone) (Osm).	
	Osmc: Gravel to pebble conglomerate, purple, pink or white, with up to 15% chert clasts (Osmc).	
PRAECAMBRIAN	CO: Pebble-cobble siliceous conglomerate and coarse-grained sandstone with abundant quartzite and chert clasts (CO).	
	Angular unconformity.	
CAMBRIAN	Cdsvq: Undifferentiated marine volcano-sedimentary sequence with minor interbedded volcanic units (Cdsvq).	
	Cdsvp: Marine volcano-sedimentary and sedimentary sequence of sandstone, siltstone, mudstone, conglomerate and breccia with some felsic to andesitic volcanic rocks (Dog Range greywacke) (Cdsvp).	
	Cdsvs: Dominantly non-volcanic sandstone and siltstone, typically siliceous-micaceous, massive to thinly bedded (Cdsvs).	
	Cdsvg: Coarse-grained polymict conglomerate, sandstone and siltstone with clasts of basalt, chert, siltstone and limestone (Sprent Formation) (Cdsvg).	

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	Cdsvv: Undifferentiated marine volcano-sedimentary sequence with minor interbedded volcanic units (Cdsvv).	
	Cdsvf: Predominantly fine-grained ashy volcaniclastic siltstone, with minor black to grey siltstone (Cdsvf).	
	Cdsvd: Massive feldspar-phryic dacite lava, commonly spherulitic, amygdaloidal and/or porphyritic (Cdsvd).	
	Cdsvs: Predominantly micaceous greywacke and siltstone (Cdsvs).	
	Cdsvk: Interbedded ashy volcaniclastic siltstone, greywacke and siltstone, purple-stained siliceous sediments and dacite-andesite lavas and intrusives (Cdsvk).	
	Cdsvl: Predominantly feldspar + pyroxene-phryic andesitic-dacitic volcaniclastic sandstone, commonly purplaceous (Cdsvl).	
	Cdsva: Massive feldspar + pyroxene-phryic dacite to andesite lavas and intrusives (Cdsva).	
	Cdsvi: Predominantly fine-grained ashy volcaniclastic siltstone, with minor black-grey siltstone (Cdsvi).	
	Cdsvss: Predominantly micaceous greywacke and siltstone (Cdsvss).	
	Cdsvp: Quartz-feldspar-phryic purplaceous volcaniclastic sandstone (Cdsvp).	
CAMBRIAN	Cdsv: Micaceous greywacke and minor siltstone with hematitic staining. Contains Middle Cambrian fossils (Cdsv).	
	Cdsvs: Predominantly micaceous siltstone, laminated in places (Cdsvs).	
	Cdsvp: Purple mudstone-quartzite-chert chert-rich matrix-supported pebbly mudstone with feldspathic matrix (sandstone Conglomerate) (Cdsvp).	
	Faulted contacts of C'cab, C'cwc attributed to major thrusting.	
MOUNT SANDSTONE	C'cab: Pillowed to massive fine- to medium-grained angle-bearing tholeiitic basalt with interbedded volcaniclastic sandstone and conglomerate, mudstone and chert-bearing breccia (Mount Sandstone) (C'cab).	
	C'cwc: Pale to dark grey or black distinctly bedded and plane-laminated to massive or banded chert with minor red and grey siliceous hematitic mudstone and siltstone (Barrington Chert) (C'cwc).	
	Faulted contacts of C'cab, C'cwc attributed to major thrusting.	
SANDSTONE	Fu: Quartzwacke turbidite sequence of sandstone, siltstone and well-bedded black shaly mudstone (Fu).	
	Pbs: Dominantly schistose conglomerate (Spafford Conglomerate and correlative) (Pbs).	
	Pts: Dominantly quartzite (Pts).	
	Ppg: Quartz-muscovite-garnet schist (Ppg).	

PERIOD	UNIT	DESCRIPTION
PALEOZOIC	C'cab: Massive plagioclase-hornblende-phryic dioritic, andesitic and dacitic intrusives (Lobster Creek intrusives) (C'cab).	
	C'cwa: Massive feldspar + pyroxene-phryic dacite to andesite lavas and intrusives (C'cwa).	
MESO-PROTEROZOIC	Cs: Serpentine (Cs).	
	Pts: Amphibolite (Pts).	

SYMBOL	DESCRIPTION
Geological contact	Geological contact
Geological contact - inferred	Geological contact - inferred
Unconformable lithological contact	Unconformable lithological contact
Limit of mapping of sub-unit within undifferentiated rock unit	Limit of mapping of sub-unit within undifferentiated rock unit
Fault	Fault
Fault - inferred	Fault - inferred
Fault - concealed	Fault - concealed
Thrust fault (beeh on upper plate)	Thrust fault (beeh on upper plate)
Thrust fault (beeh on lower plate)	Thrust fault (beeh on lower plate)
Thrust fault (beeh on upper plate) - inferred from radiometric data	Thrust fault (beeh on upper plate) - inferred from radiometric data
Linear	Linear
Major surface trace of major system	Major surface trace of major system
Axial surface trace of major early antiform	Axial surface trace of major early antiform
Axial surface trace of major later antiform	Axial surface trace of major later antiform
Serp	Serp
Lineament - visible on aerial photographs	Lineament - visible on aerial photographs
Lineament - visible in magnetic data	Lineament - visible in magnetic data

SOURCE DIAGRAM

Compiled by M.J. Vicary, B.Sc.(Hons), 2005 as part of the Western Tasmanian Regional Minerals Program from the following sources (see source diagram):

- VICARY, M.J. 2006. Re-evaluation of geological relationships in the Cobble - Kindred area. Tasmanian Geological Survey Record 2006/01. Mineral Resources Tasmania.
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- I.C.R. Calver 2005. Field checking and revision of geology as part of the Northwest Land Use Hazard Project.
- J.C.R. Calver 2007. 1:25 000 geological mapping as part of the TasExplore Project.
- K.J.L. Everard 2007. 1:25 000 geological mapping as part of the TasExplore Project.
- D.C. Green 2007. 1:25 000 geological mapping as part of the TasExplore Project.
- M.D.B. Seymour 2007. 1:25 000 geological mapping as part of the TasExplore Project.
- M.J. Vicary 2007. 1:25 000 geological mapping as part of the TasExplore Project.

REFERENCE THIS MAP AS:

VICARY, M.J., CALVER, C.R., EVERARD, J.L., GREEN, D.C. and SEYMOUR, D.B. (compilers) 2008. Digital Geological Atlas 1:25 000 Scale Series. Sheet 4243 Kindred. Mineral Resources Tasmania.

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Map produced by Spatial Information Services, Mineral Resources Tasmania.

Website: www.mrt.tas.gov.au

GD044 - MGA Zone 55. Contour Interval: 20 metres.

LOCATION DIAGRAM

INDEX TO ADJOINING SHEETS

STATIONARY	UNIVERSITY	DEPARTMENT
WANK	KINDRED	LORRONE
LOVETRA	GASTRA	MALTON

1:25 000 maps available.

KINDRED 4243

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