CENTRAL ARTHUR PROJECT - MAP 1

SCALE 1:50000

0 1 2 3 4 5

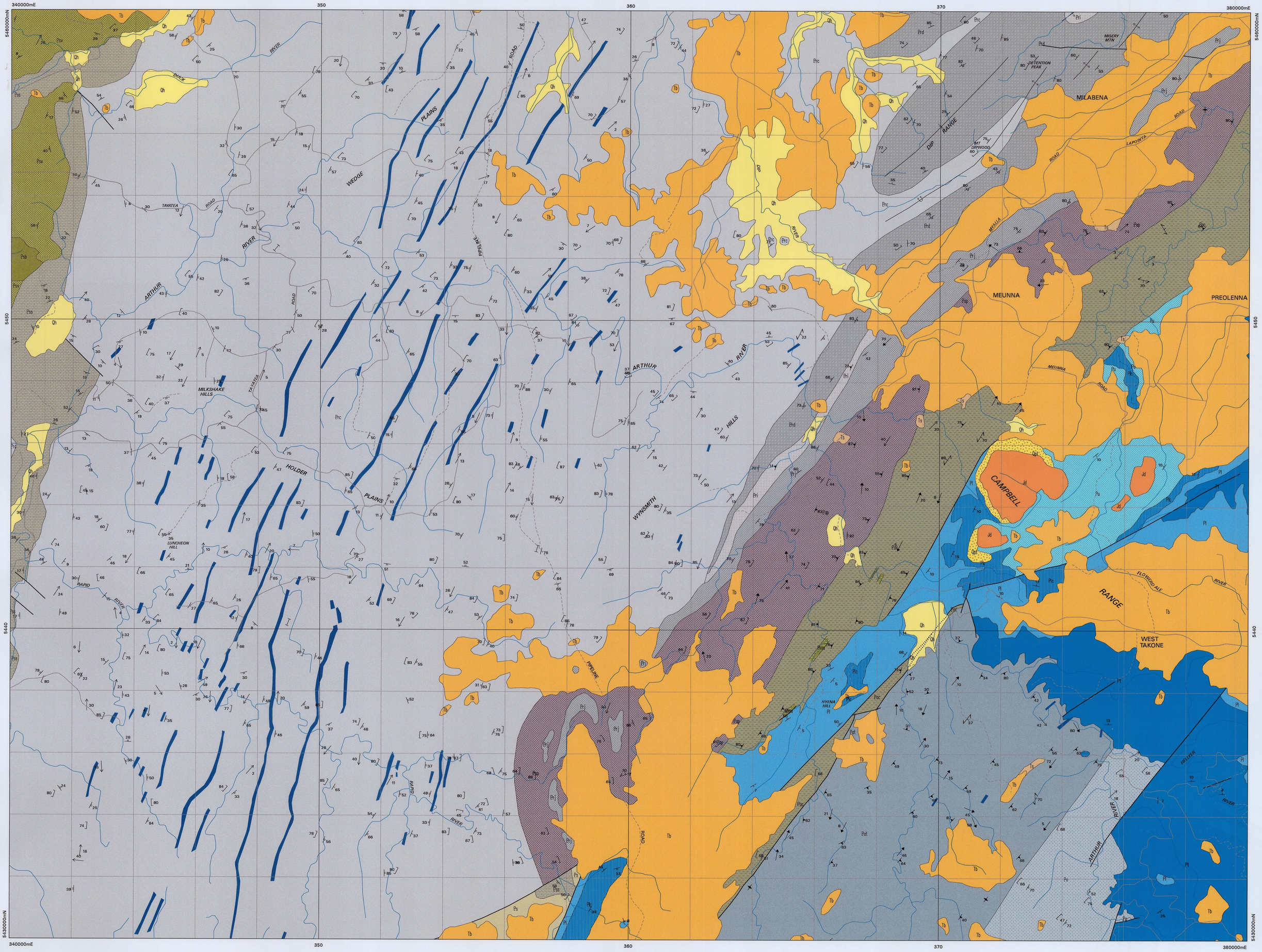
Kilometres

Grid: Australian Map Grid, Zone 55.

MINERAL RESOURCES TASMANIA

Tasmania

TASMANIAN GEOLOGICAL SURVEY



CAINOZOIC	HOLOCENE	Qh	Sand, gravel, and mud of alluvial, lacustrine and littoral origin (Qh).
	PLEISTOCENE	Qpt	Talus, vegetated and active (Qpt).
			Erosional surface
	TERTIARY	Ts, Tb	Dominantly non-marine sequences of sand, gravel, silt and clay (Ts); basalt and related igneous and pyroclastic rocks (Tb).
			Erosional surface.
PALAEOZOIC	PERMIAN-LATE CARBONIFEROUS (LOWER PARMENER SUPERGROUP)	Pu	Upper glaciomarine sequences of pebbly mudstone, pebbly sandstone and limestone (Pu).
		Plc	Freshwater and paralic sandstone and mudstone with some coal measures (Plc).
		Pl, Pt	Lower glaciomarine sequences of mudstone, pebbly mudstone, pebbly sandstone, minor limestone and Tasmanite oil shale (Pl). Basal tillite (Pt).
			Angular unconformity.
PROTEROZOIC	NEOPROTEROZOIC	Psv, Psb, Pss, Psc, Ps	Turbiditic volcaniclastic – mafic volcanic rocks and minor diamictite (Psv) with some tholeiitic basalt indicated (Psb). Shallow marine dolomite, chert, shale and diamictite (Pss); basal siliceous conglomerate and sandstone (Psc). (Ps: Togari Group, Ahrberg Group and correlates).
			Angular unconformity.
	ROCKY CAPE GROUP	Prj	Well-bedded, cross-bedded orthoquartzite, platy quartzite and siltstone (Prj: Jacob Quartzite).
		Pri	Laminated siltstone, mudstone and dolomite (Pri: Irby Siltstone).
		Prd	Well-bedded, cross-bedded orthoquartzite and subordinate siltstone (Prd: Detention Subgroup).
		Prc	Dominantly dark, laminated, commonly pyritic siltstone and mudstone (Prc: Cowrie Siltstone and similar sequences).

ARTHUR METAMORPHIC COMPLEX

(In part metamorphic equivalents of Prp, Po and Ps).

Prmq	Prpc	Chloritic schist, with minor phyllite, dolomite and magnesite (Prpc); amphibolite (Prmq).
	Prpt	Quartz mica schist, quartzite, phyllite and rare dolomite (Prpt) (Keith Schist and correlates).
	Prpp	Phyllite with minor pelitic schist, foliated quartzite and dolomite, and rare conglomerate (Prpp).
	Po	Quartzwacke turbidite successions (Po).

IGNEOUS ROCKS

TERTIARY	Tb	Basalt and related igneous and pyroclastic rocks (Tb).
JURASSIC	Jd	Dolerite and related igneous rocks (Jd).
PROTEROZOIC	Prd	Felsic and mafic dykes (Prd).
	Prmq	Amphibolite (Prmq).

Strike and dip of bedding: right way up; overturned; facing unknown; vertical with facing unknown.

Strike and dip of cleavage: dipping; vertical.

Strike and dip of crenulation cleavage: dipping.

Direction and plunge of minor fold hinge line, unspecified age.

Direction and plunge of hingeline of minor fold of cleavage or schistosity.

Strike and dip of igneous mineral foliation: dipping.

Strike and dip of schistosity or metamorphic foliation: dipping, vertical.

Geological boundary.

Fault.

Axial trace of major antiform.

Axial trace of major synform.

Axial trace of overturned major antiform.

Published systematic Geological Survey mapping (1:25000 scale).

Published systematic Geological Survey mapping (1:50000 scale).

Unpublished compilation Geological Survey mapping (1:10000 - 1:50000 scale).

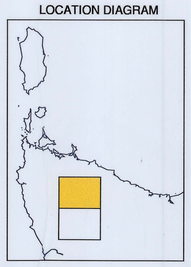
Published systematic Geological Survey mapping (1:63360 scale) after 1965.

Published systematic Geological Survey mapping (1:63360 scale) before 1965.

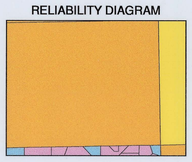
Mapping (1:50000 or more detailed scale) from various non-government sources and reconnaissance scale mapping.

Geophysical and/or air photo interpretation with limited ground information.

LOCATION DIAGRAM



RELIABILITY DIAGRAM



Digital data compiled from published and unpublished geological mapping and interpretation of helicopter borne magnetics and radiometric data by J.L. Everard and R.G. Richardson.
Data is based on 1:250,000 Geological and Topographical data.

Digital base information from Land Information Services, Department of Primary Industries, Water and Environment.

Map produced April 1999 by Data Management Group using G.I.S. software.
Data correct as at November 1998.

WARNING INKS ARE LIGHT SENSITIVE

/cows/cov250/project25/arthur/cuarthur.aml