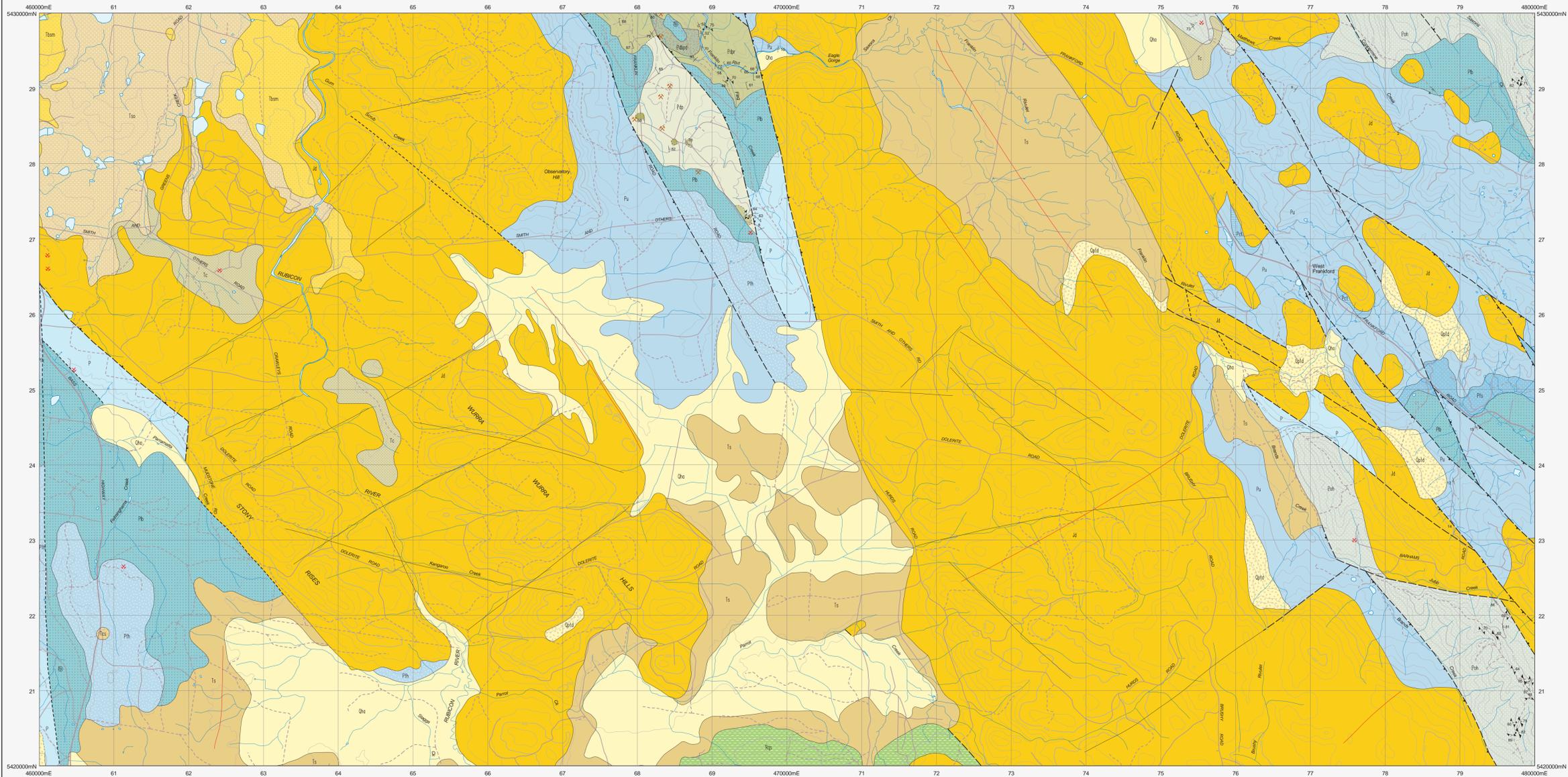


WEST FRANKFORD

Scale: 1:25 000



CENOZOIC	QUATERNARY	
	Qha	Stream alluvium, swamp and marsh deposits (Qha).
PALEOGENE - NEOGENE	Qpbd	Taka consisting dominantly of dolerite boulders (Qpbd).
	Tc	Undifferentiated Paleogene - Neogene sediments; dominantly non-marine sequences of gravel, sand, silt, clay and pebbles (Tc).
	Ta	Conglomerate, gravel and grit (Ta).
	Ts	Semi-consolidated siliceous gravel and fine-grained sand (Ts).
MESOZOIC	Tsd	Sand, quartzite gravel and clay, including interbasal deposits (Tertiary Sand) of Oligocene age (Tsd).
	Tsm	Olivine basalt, deeply weathered in most areas, dated at 23.9 +/- 0.2 Ma (Muriarty Basalt) (Tsm).
	Tr	Erosional surface.
	Rqs	Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs).
PALEOZOIC	Pst	Carbonaceous sandstone and shale (Pst).
	Pu	Upper glaciomarine sequences of pebbly mudstone, pebbly sandstone and limestone (Pu).
	Pf	Quartz sandstone and shale, carbonaceous in some places, and minor conglomerate (Pf).
	Pfh	Dominantly fine-grained quartz sandstone, normally cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and fine silt (Pfh).
	Pfa	Poorly sorted pebbly mudstone, sandstone and minor conglomerate; marine fossils present in places (Pfa).
Pb	Angular unconformity.	

2NEO-PROTEROZOIC	NEO-PROTEROZOIC	
	Pdp	Undifferentiated sequences of predominantly mudstone, shale, silt and phyllite, with sandstone, siltstone, chert, basalt, dolerite, conglomerate and calcalsite; strongly faulted in most areas (Port Sorel Formation) (Pdp).
Edbp	Chert, thinly interbedded with shale in most areas (Edbp).	
	Shale with lesser interbedded dolerite, conglomerate, and minor quartzite and impure dolerite (Edbp).	
Poh	Sandstone, silt and phyllite (Poh).	

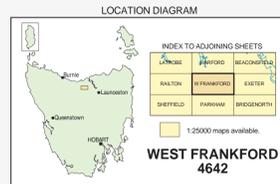
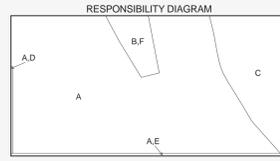
INTRUSIVE ROCKS

Jd	Dolerite and related rocks (Jd).
Edbdp	Dolerite in Port Sorel Formation (Edbdp).

- Geological boundary - position accurate or approximate.
- Aeromagnetic lineament.
- Fault - unspecified.
- Fault - inferred.
- Fault - normal - position accurate or approximate.
- Fault - reverse - position accurate or approximate.

- Strike and dip of bedding - right way up, overturned, facing unknown.
- Strike and dip of cleavage of unspecified type and relative age.
- Strike and dip of cleavage, relative local age S1, S2, S4, S5.
- Strike and dip of cataclastic foliation.
- Strike and dip of outcrop-scale fault of unspecified relative age, type unspecified, vertical.
- Strike and dip of sink band with sense of displacement viewed down plunge direction.
- Trend and plunge of minor fold hinge line, relative local age F4, F5. Where present, tick denotes dip direction of axial surface.
- Trend and plunge of bedding/primary cleavage intersection lineation.
- Macrofossil location.
- Mineral deposit location - hardrock.
- Combination mineral/industrial mineral/gemstone location.

Compiled by A.R. Reed, B.Sc.(Hons), Ph.D. and C.R. Calver, B.Sc.(Hons), Ph.D. 2002 from the following sources (see responsibility diagram):
 A GULLINE, A.B., BRAVO, A.P. and NAQVI, I.H. 1973. Geological Atlas 1:50,000 Series, Sheet 38 Frankford, Tasmania, Department of Mines.
 C.R. Calver, B.Sc.(Hons), Ph.D. - new mapping 1998-2000. Gulline et al. 1973 (Frankford 1:50,000).
 C.A.R. Reed, B.Sc.(Hons), Ph.D. - new mapping 1998-2000.
 D.J.L. Everett 2007. Limited traverses.
 E Air photograph and WTRMP geophysical data interpretation by M. Vicary. Updated by:
 F M. Vicary 2004 as part of the Western Tasmania Regional Minerals Program, with additional information from Calver, C. and Reed, A.R., Chapter 7. Port Sorel formation in Reed A.R. (2007). Structure and setting of Proterozoic and Palaeozoic rocks in the Tamar region, Northern Tasmania (see also Special Group in Technics and Structural Geology Field Guide No. 5).



REFERENCE THIS MAP AS:
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