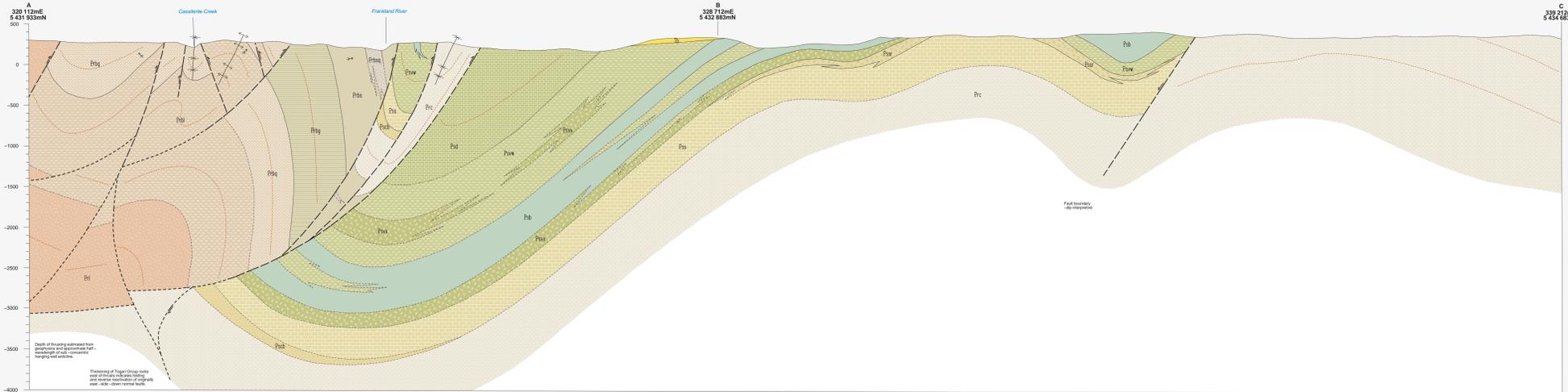
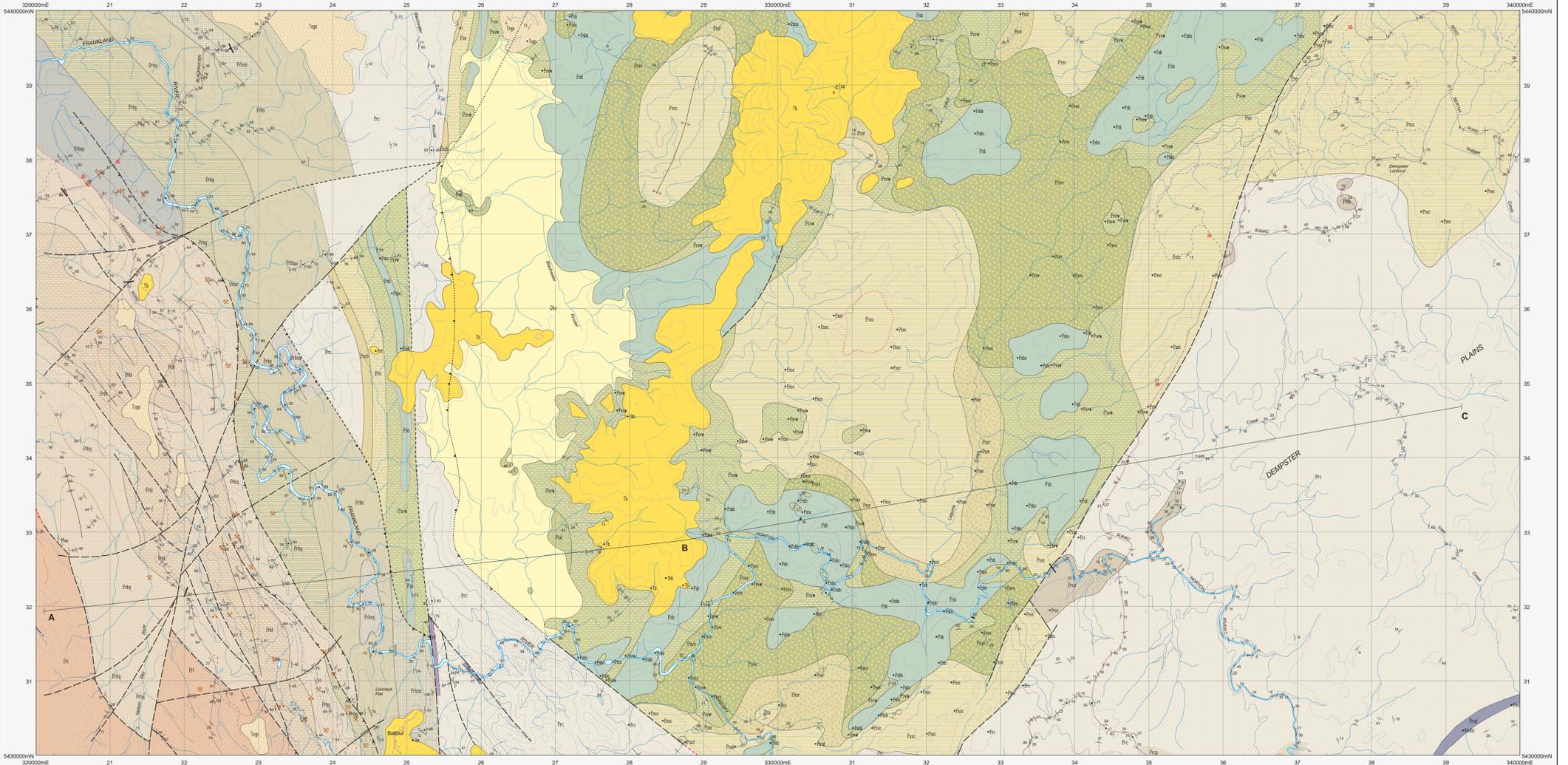


# DEMPSTER

Scale: 1:25 000  
0 500 1000 1500 2000 2500m

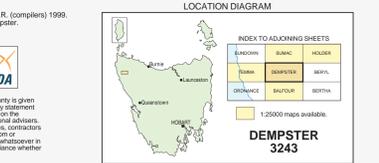
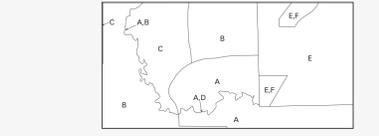


UNIT	DESCRIPTION
Qsa	Alluvium and swamp deposits (Qsa)
Ts	Basalt (Ts), indurated quartz sand with plant fossils (Tsq) indicated
Tgs	Interbedded siliceous gravel, quartz sand and clay (Tgs)
Eda	Shallow marine dolomite and micar limestone (Eda) (Smitton Dolomite)
Eba	Interbedded laminated mudstone, siltstone, and silty shale with micar volcanic ash (Eba) (Kopet Creek Formation)
Ebb	Massive basalt (Ebb) varying with 0.6 - 0.7% TiO <sub>2</sub> (Ebb), 1.0 - 1.5% TiO <sub>2</sub> (Ebb), 1.5 - 2.5% TiO <sub>2</sub> (Ebb) and andesite rhyolite with 0.5 - 2.5% TiO <sub>2</sub> and < 4% MgO (Ebb) indicated (Ebb, Eba etc: See Creek Formations)
Ebc	Darkly micaritic (fine grained) basaltic and micar volcanic rocks, dolomite, chert and mudstone-siltstone in a fine-grained non-oligoclase matrix, with interbedded laminated mudstone, siltstone and calcareous dolomite (Ebc) (Crosby Hill Muds)
Ebd	Interbedded dolomite, chert, siltstone and mudstone (Ebd) interbedded massive or banded, dark, waxy and grey chert (Ebd) and argillaceous siltstone, with micar dolomite (Ebd); some dolomite outcrops indicate (Ebd)
Ebe	Chert breccia and conglomerate (with clasts dominantly of black, grey and white chert, and subordinate argillaceous interbedded with fine-grained micaritic siltstone) (Ebe) (Siltstone of Forest Conglomerate and Quartzite)
Ebf	Erosional and transgressive surface, low angle unconformity of some localities, interbedded black, grey and green, commonly quartz, laminated siltstone and mudstone, with rare sandstone and mud pellet conglomerate (Ebf); some beds of well-exposed fossiliferous (Ebf) to dark grey argillaceous siltstone indicated (Ebf); Siltstone equivalent of (Ebf) (Ebf, Eba, Ebb, Ebc, Ebd, Ebe, Ebf)
Ebg	Laminated to thin bedded, chloritic to siliceous siltstone to fine sandstone, containing variably disseminated porphyroblastic chlorite (Ebg); micaritic fine-grained mudstone, with radiolaria, chlorite, siltstone, fine weathering, blocky bedded medium to coarse-grained quartzite interbedded with siltstone to fine sandstone (Ebg)
Ebh	Laminated chloritic mudstone to siltstone and fine sandstone containing variably disseminated porphyroblastic chlorite (Ebh)
Ebi	Mid- to fine-grained, thin bedded, massive to pipe-veined siltstone with minor pale grey (partly micaritic) lenses (Ebi)
Ebj	Interbedded packages of quartzite sandstone to siliceous siltstone and laminated carbonaceous shale (Ebj)
Ebk	Laminated to gutter-cast and trough cross-bedded, siliceous to carbonaceous siltstone (Ebk)
Ebl	Medium grained, trough cross-bedded to parallel-bedded quartzite sandstone, and rare angular quartz-peloid conglomerate and shale (Ebl)

UNIT	DESCRIPTION
Ts	Basalt (Ts), dolomite (Tds), alkali alkali basalt (Tdb), transitional alkali basalt (Ttb) and alkali basalt (Tba) indicated
Ebb	Massive basalt (Ebb) varying with 0.6 - 0.7% TiO <sub>2</sub> (Ebb), 1.0 - 1.5% TiO <sub>2</sub> (Ebb), 1.5 - 2.5% TiO <sub>2</sub> (Ebb) and andesite rhyolite with 0.5 - 2.5% TiO <sub>2</sub> and < 4% MgO (Ebb) indicated (Ebb, Eba etc: See Creek Formations)
Ebc	Medium to coarse-grained or pegmatitic dolomite with albite inclusions (Ebc)
Ebd	Dolerite dykes (Ebd), foliated variety indicated (Ebd)

SYMBOL	DESCRIPTION
—	Geological boundary - position accurate or approximate
---	Geological boundary - inferred
---	Geological boundary inferred from aeromagnetic and/or radiometric interpretation
---	Geological boundary - inferred from airborne radiometric data
---	Unconformable boundary - position accurate or approximate
---	Intrusive boundary - position accurate or approximate
---	Unfavourable trend line, including bedding trace interpreted from aerial photographs
---	Fault - position accurate or approximate, based on interpretation of aerial photographs
---	Fault - unspecified type, position accurate or approximate, downstream side indicated where known
---	Fault - unspecified type, inferred
---	Fault - unspecified type, concealed
---	Fault - inferred from airborne radiometric data
---	Thrust fault - position accurate or approximate, teeth on upper plate
---	Thrust fault - inferred, teeth on upper plate
---	Thrust fault - concealed, teeth on upper plate
---	Thrust fault - inferred from airborne magnetic data
---	Strike-slip fault - sinistral, position accurate or approximate
---	Unfavourable trend line
---	Axial surface trace of major antiform
---	Axial surface trace of major synform

SYMBOL	DESCRIPTION
+	Strike and dip of bedding, facing known - right way up; overfaced
+	Strike and dip of bedding, facing unknown - dipping, vertical; horizontal
+	Strike and dip of cleavage, relative age S1 S3 - dipping, vertical
+	Strike and dip of cleavage, type and relative age unspecified - dipping, vertical
+	Trend and plunge of hinge of minor fold, unspecified relative age, with dip and dip direction of axial surface indicated; vertical axial surface
+	Trend and plunge of hinge of minor fold, unspecified relative age, vergence axial
+	Trend and plunge of axial fold hinge, with sense of displacement noted down-plunge; vertical
+	Trend and plunge of crestation location
+	Strike and dip of outcrop-scale fault of unspecified relative age; thrust fault with dip indicated
+	Strike and dip of dominant joint set
+	Strike and dip of dike or vein, rock type or mineral specified by RCODE in Field Attribute Table
+	Field station for closest readings on the map
+	Nickname small outcrop with rock unit indicated
+	Mineral deposit location - horaxal
+	Mineral deposit location - alkali/alkalys
+	Construction material/industrial mineral/petroleum location



REFERENCE THIS MAP AS:  
EVERARD, J.L., REED, A.R., SEYMOUR, D.B. and CALVER, C.R. (compilers) 1999.  
Digital Geological Atlas 1:25 000 Scale Series, Sheet 3243, Dempster.  
Mineral Resources Tasmania.

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Map produced by the Geoscience Information Branch of Mineral Resources Tasmania using GIS software.  
CGM4 - 80% Zone 55, Contour Interval: 20 metres.

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