

AGE	N.Z. SERIES	FORMATION	MAP SYMBOL	LITHOLOGY	THICKNESS (feet)
Quaternary		"Boulder Bank"	Ne, St	Beach sand	c.30
				Alluvial gravels (Nelson and Stoke)	c.50
				Boulder and gravel spit	30-50

MAJOR UNCONFORMITY

Pliocene	Wanganui		T-W	Freshwater conglomerate and mudstone	2,000
	Taranaki				
Miocene	Southland		P-S	Fossiliferous mudstone, granite conglomerate	800
	Pareora				
Oligocene	Landon		L ₂	Redeposited mudstone and sandstone	1,200
			A-L ₁	Freshwater mudstone and conglomerate; limestone	2,500
Upper Eocene	Arnold		Ak	Fossiliferous mudstone and shelly conglomerate	1,200
			Acm	Grit, carbonaceous sandstone and conglomerate	1,500

MAJOR UNCONFORMITY

Triassic ?			Z	Unfossiliferous greywacke	800
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FAULT CONTACT

Upper Permian	Maitai Group	Stephens	Ys	Argillite, limestone, tuff, and conglomerate	c.500
		Waiua	Yw	Red and grey banded argillite	900
Lower Permian		Greville	Yg	Grey banded argillite and sandstone	500

FAULT CONTACT

Basal Permian	Brook Street Volcanic Group	Botanical Hill	EB ₄	Keratophyric lithic tuff	2,700
		Grampian	EB ₃	Calcareous tuff, spilite, keratophyre	1,500-2,500
		Kaka	EB ₂	Spilitic breccia and basalt tuff	3,500
		Groom Creek	EB ₁	Keratophyric crystalline tuff	2,500