

#### **4. DESCRIPTION AND ASSESSMENT OF MAP UNITS**

This section describes the land resources of mapping units that have been delineated throughout the Tanjil River Catchment. It also provides a summary of the perceived physical limitations to development and the subsequent assessment of land capability for those map units occurring in areas of freehold land. The relevant maps are contained in volume 2 of this study. Map units for freehold land are presented at 1:25 000 scale and those for the public land are at 1: 50 000 scale.

There are two tiers of information presented; (i) the broad-scale land type (or land system) descriptions, and (ii) the detailed descriptions of capability assessments of 'freehold land' map units. Descriptions of the broad-scale land types or land systems are provided on blue tabbed pages. Where particular land types include freehold areas the broad-scale 'blue' description precedes descriptions for each of the basic mapping units delineated with that land type.

Within the basic mapping unit descriptions a number of soil types are identified. The general features, range of occurrence and land use limitations for each type are discussed in Appendix 2.

As noted previously, areas of public land do not require the same degree of resolution and in this study only brief descriptions of land types or land systems are presented. For these areas individual components of the land systems are shown on the 1:50 000 scale map but they are only briefly mentioned within the 'blue' descriptions. No assessment of land capability is provided for areas of public land.



#### 4.1 *Index to Map Units*

The following tables enable direct access to descriptive and interpretive information once a map unit has been identified from the map Volume 2 or in the field.

**Table 6 Alphabetic Listing of Map Units**

Landform	Map Unit	Page No.
Crests	CR1	25
	CR1a	26
	CR2	32
	CR2b	33
	CR3	38
	CR4	39
CR5	45	
Drainage	DC1	50
Channels	DC2	51
Drainage	DF1	56
Flats	DF2	57
Sideslopes – steep (to hills)	SS1a	27
	SS1b	34
	SS1c	40
	SS1d	46
- moderately steep	SS2a	28
	SS2b	35
	SS2c	41
	SS2d	47

Landform	Map Unit	Page No.
-moderate	SS3a	29
	SS3b	36
	SS3c	42
	SS3d	48
- gentle	SS4a	30
	SS4c	43
Terraces (alluvial)	TR1	53
	TR2	54

Landform	Map Unit	Page No.
Anderson	An	37
Baw Baw	Bb	58
Buln Buln	Bu	23
Cascade	Cc	59
Kirchubel	Kl	61
La Trobe	Le	23
Moe	Mo	32
Neerim	Nm	31
Stewart	Sw	63
Tanjil	Tj	44
Toorongo	To	60
Traralgon	Tg	55
Wellington	Wn	62
Westbury	Wy	37

**Table 7 Map Units\* Of The Tanjil River Catchment**  
(in order of occurrence)

Land Type/Geology	Broad-scale 1:50 000 scale mapping		Detailed 1:25 000 scale mapping	
	Land System	Component (Public land)	Basic Mapping (Freehold Land)	Units
Hilly terrain on subalpine plateau of Devonian plutonics	Baw Baw (Bb)	1,2,3	Not present	
Moderately sloping terrain on Devonian Plutonics flanking Mt Baw Baw	Cascade (Cc)	1,2	Not present	
Hilly to undulating higher level plateau remnants on Devonian plutonics	Toorongo (To)	1,2,3	Not present	
High relief 'ridge and ravine' terrain on Devonian plutonics and matamorphics	Kirchubel (Kl)	1,2,3	Not present	
Hilly to undulating plateau remnants on variable lithology	Wellington (Wn)	1,2	Not present	
Hilly terrain of Devonian Metamorphics	Tanjil (Tj)	1,2,3	CR5 SS1d, SS2d, SS3d	
Steep hilly terrain on Devonian sediments	La Trobe (Le) Buln Buln (Bu)	1,2,3	CR1, CR1a SS1a, SS2a, SS3a, SS4a	
Hilly to undulating terrain on Tertiary volcanics	Neerim (Nm)	Not present	CR2, CR2b SS1b, SS2b, SS3b	
Hilly to gently undulating terrain on silty Tertiary sediments	Stewart (Sw)	1, 2,3,4	Not present	
Hilly to undulating terrain on Tertiary sediments	Anderson (An) Westbury (Wy)	1,2	CR3, CR4 SS1c, SS2c, SS3c, SS4c	
Drainage channels throughout hilly terrain	-	Not present but delineated	DC1, DC2	
Alluvial terraces on Quaternary Recent deposits	Moe (Mo)	Not present	TR1, TR2	
Drainage flats on Quaternary Recent deposits	Traralgon (Tg)	Not present	DF1, DF2	

\* Mapping units, both broad-scale and detailed, are presented here in general order of occurrence from the highest point in the catchment to the lowest. In the following pages however the map units of the freehold areas are described first, followed by those land systems that occur only in the public land.