Map Unit:	TERTIARY BASALT, VERY GENTLY SLOPE	Map Unit Symbol: Tbf
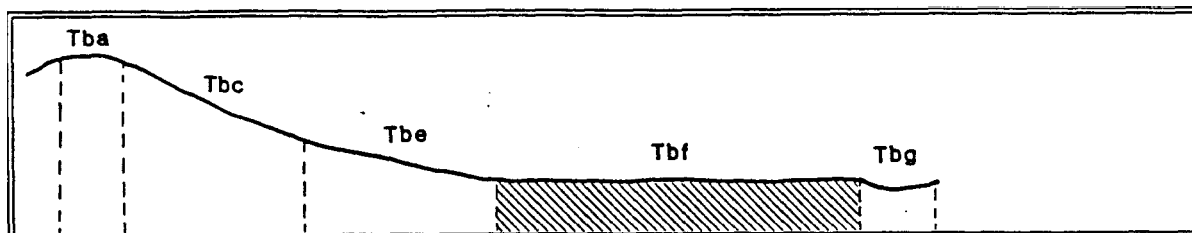
General Description:

On the basalt flows to the west, north-west and north-east of Woodend, the very gentle slopes, usually adjacent to the main drainage depressions, have uniform silty loam - silty clay loam soils, which represent the better agricultural soils in the Shire. Land degradation is minimal with only a low incidence of sheet/rill erosion on those areas that have been cultivated regularly.

Site characteristics: # Site No. 123

Parent material Age: Lithology:	Tertiary Basalt	Depth seasonal watertable:	> 1.5 m
Landform Pattern: Element:	Gently undulating plain Plain	Potential recharge to groundwater:	Moderate
Slope common: range:	2% 1 – 3%	Flooding risk:	Nil
Rock outcrop:	0%	Drainage:	1.0 – 1.5
		Depth to hardrock:	5.4%
		Proportion of Shire:	

Native vegetation: Manna Gum, Swamp Gum
Present land use: Grazing (native and introduced pastures), cropping, residential development

Land degradation:	Water erosion		Wind	Salting	Acidification
	Sheet/rill	Gully			
Susceptibility	Low	Low	Low	Very low	Low
Incidence	Low	Nil	Nil	Nil	Low

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	280, 215 - 410 mm/day -
Available water capacity:	155mmH$_2$0
Linear Shrinkage (B horizon):	Moderate (estimate)

Soil profile description:

A   0-22 cm   Brown (10YR 4/3) silty loam, weak subangular blocky structure 35 mm, moderately weak consistence, rough fabric, many medium and few coarse ferruginous nodules, pH 6.0. Gradual transition to

B   22-81 cm   Brown (10YR 5/3) silty clay loam, massive structure, moderately weak consistence, abundant ferruginous gravel, pH 6.0. Clear transition to

BC   81-105 + cm   Silty clay loam

Soil classification:

Factual Key (Northcote):   Um 5.42
Australian Soil Classification: Ferric, Dystrophic, Brown, Kandosol, moderate medium, silty moderately gravelly
Unified Soil Group: CL

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A	6.0	26	VL	L	D	S	S	H	L
B	6.0	49	VL	L	D	D	S	M	L
BC									

VL : Very Low   L : Low   M : Moderate   H: High   VH : Very High
D: Deficient   S: Satisfactory T: Toxic   ** Acid   NA : Not available

Land capability assessment

Land use	Class	Major limiting feature (s)
Agriculture (CTS values)	$C_3T_2S_2$	Nil
Effluent disposal (septic tanks)	2	Nil
Farm dams (earthen)	4	Shallow depth to hardrock and depth of clay layer
Building foundations * slab * stumps/footings	2 2	Nil Nil