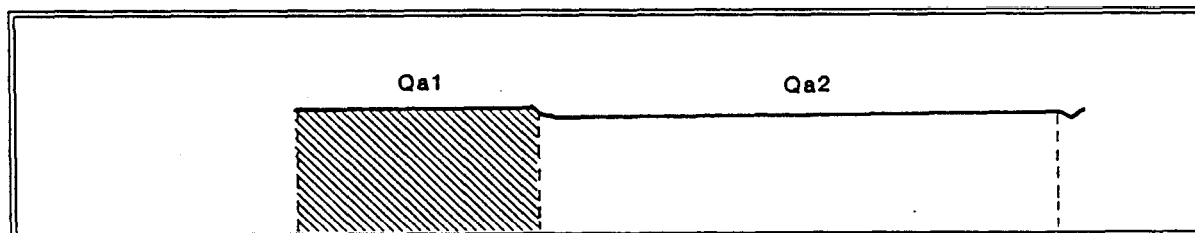


Map Unit:	QUATERNARY ALLUVIAL TERRACE (HIGHER)	Map Unit Symbol: Qa1
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General Description:

This small area of river terrace is a remnant of an old flood plain associated with the Campaspe River. The soil is predominantly a uniform, strong and finely structured clay, but variable because of the range of parent material in the catchment and the changing positions of the old river course. The area has been totally cleared for grazing.

Site characteristics: Site No. 39

Parent material		Depth seasonal watertable:	> 2.0 m
Age:	Quaternary		
Lithology:	Alluvium		
Landform		Potential recharge to groundwater:	Low
Pattern:	Plains		
Element:	Upper terrace		
Slope common:	2%	Flooding risk:	Low
range:	1-3%		
Rock outcrop:	0%	Drainage:	Moderately well drained
		Depth to hardrock:	> 3 m
		Proportion of Shire:	0.4%

Native vegetation: Manna Gum, Narrow-leaf Peppermint, Swamp Gum (mostly cleared)
Present land use: Grazing of native and introduced pasture species

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Slow
Available water capacity:	140mmH ₂ O
Linear Shrinkage (B horizon):	NA

Soil profile description:

- A** 0-15 cm Dark brown (7.5YR 4/2) silty clay, moderate subangular blocky structure 5 mm, smooth fabric, pH 6.0. Clear transition to
- B₂₁** 15-75 cm Dark greyish brown (10YR 4/2) light clay, strong angular blocky structure, 8 mm, smooth fabric, pH 6.0. Gradual transition to
- B₂₂** 75 + cm Dark greyish brown (10YR 4/2) medium-heavy clay, strong angular blocky 3 mm, smooth fabric, pH 6.7.

Soil classification:

Factual Key (Northcote): Uf6.33
 Australian Soil Classification: Grey Dermosol, deep, medium, clayey, non-gravelly
 Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A	6.0	0	NA	NA	NA	NA	NA	M	NA
B ₂₁	6.0	0	NA	NA	NA	NA	NA	L	NA
B ₂₂	6.7	0	NA	NA	NA	NA	NA	VL	NA

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 ₃ T ₁ S ₃	Moderate depth of topsoil, moderate dispersibility of topsoil
Effluent disposal (septic tanks)	3	Slow permeability
Farm dams (earthen)	3	Moderate permeability
Building foundations * slab * stumps/footings	2 2	Nil Nil