



MAP UNIT Ordovician, undulating

SYMBOL Oru

GENERAL DESCRIPTION

This map unit abuts directly onto the Cosgrave Reservoir and onto Adekate Creek immediately upstream of the reservoir.

It is gently sloping and soils are derived from Ordovician parent material.

Map Unit is	0.8	% study area	Ref. Plate	5
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PARENT MATERIAL		
Ordovician sediments		
Depth to rock	>200	cm
Rock outcrop	0	%
Surface stones	0	%
Landslip risk	Nil	
Shrink/swell potential	Moderate	
Northcote code & SCS Ext.	Dy 3.41 – 4/0/30	

LANDFORM		
Gently sloping lower slopes		
Slope-common	3	%
- range	1-4	%
Flood risk	Low	
Profile drainage	Imperfect (locally poor)	
Seasonal watertable	Temporarily waterlogged	
Unified soil group	A	
	B	ML/CH

EROSION HAZARD

Low: B horizon slakes, however any soil loss will directly affect Cosgrave Reservoir.

NATIVE VEGETATION	Swamp gum, wattles	LAND USE	Grazing, forestry (softwood)
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PROFILE DESCRIPTION

0-12 cm Brownish black (10YR 3/2) faintly mottled fine sandy clay loam; apedal massive structure; hard when dry; pH 5;

Gradual transition to:

12-30 cm Dull yellowish brown (10YR 4/3) bleached, faintly mottled fine sandy clay loam; apedal massive structure; very hard when dry; pH 5½;

Clear transition to:

30-100 cm Dull yellowish brown (10YR 5/4) light clay moderate; very fine subangular blocky structure; firm when moist; 2% of soil volume as quartz gravel to 4 mm diameter; pH 4½;

Clear transition to:

100-150 cm Bright yellowish brown (10YR 6/6) distinctly mottled medium clay; strong very fine subangular blocky structure; friable when dry, firm when moist; 5% of soil volume as quartz gravel to 7 mm diameter; pH 4;

Continuing with depth.

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Capability of the land to support various activities

Capability of the land to support subdivision

ACTIVITY	RATING	MAJOR LIMITING FEATURES OF THE LAND
Building foundations	Fair	Site drainage
Absorption fields	Poor	Low percolation rate; shallow seasonal watertable
Secondary roads	Fair	Site drainage; shallow seasonal watertable
Gravel roads	Fair	Unified soil group; site drainage
Access tracks	Fair	Site drainage
Shallow excavations	Fair	Site drainage; shallow seasonal watertable
Farm dams	Good	Slope
Sewage lagoons	Good	
Intensive cultivation	Poor	Site drainage
Path & trails	Fair	Site drainage

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Fair	Building foundations; secondary roads; shallow excavations
Bush Blocks (4 ha)	Poor	Absorption fields
Small Farmlets (4 ha)	Poor	Absorption fields
Large Farmlets (16 ha)	Fair	Building foundations; absorption fields; access tracks
Effect of subdivision on the town water supply		
URBAN		Extensive soil disturbance associated with development will be a temporary source of turbidity and/or sediment in runoff water. As for urban, except the hazard will exist for a longer period. The addition hazard of unsatisfactory operation of septic tanks contributing faecal contamination to runoff waters is greater under small farmlet development.
FARMLETS		
BUSH BLOCKS		
NB		
		As for Farmlets, however, the hazard will be marginally reduced if the absorption field is timbered.
		Any hazard is significant because of the close proximity of the map unit to the Cosgrave Reservoir.