674321

Wombat Flats

Located a couple of kilometres north of Projection Bluff the Wombat Flats Land System occurs on a ridge which forms the watershed between the Liffey River and Jackeys Creek. Sedimentary rocks of the Upper Parmeener supergroup (Triassic) predominate but lower components are underlain by units of the Lower Parmeener (Upper Carboniferous to Permian). The arenaceous nature of the Upper Parmeener is apparent in the sandy soils. soils in lower parts are typical of those associated with argillaceous (e. g. mudstone) sediments.

Gradational brown to yellowish brown soils are common. Sandstone rock fragments which could be solifluction products occur in upper component profiles. Loamy soils predominate throughout and top soils are often organic rich or quite sandy. Depth measurements were made difficult by rock fragments in the profiles.

Most of the vegetation on lower components has been cleared for grazing or forestry. Remnant patches of native forest indicate that these slopes were probably originally dominated by Eucalyptus obliqua, E. delegatensis and E viminalis tall open forests. crests are dominated by E. delegatensis with a wet understorey of Telopea truncata, Leptospermum lanigerum and Atherosperma moschatum.

Forestry and grazing are present land uses. There is a moderate hazard for rill, gully and sheet erosion on the soils of this land system.

LAND–SYSTEM

Wombat Flats

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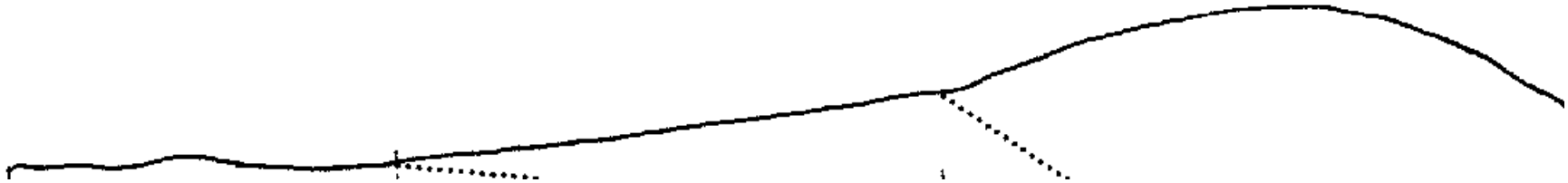
Area(ha):
1107



COMPONENT	1	2	3
PROPORTION(%)	25	35	40
RAINFALL(mm)	Approximate Annual Rainfall: 1250-1500		
GEOLOGY		Upper Parmeaner Supergroup (Triassic sediments)	
TOPOGRAPHY	Gently sloping undulating terrain with rocky hills		
Position	Undulating Flats	Slopes	Crests
Typical Slope(°)	3-5	5-7	7-10
NATIVE VEGETATION			
Structure	(Tall) Open Forest (remnant)	(fall) Open Forest (remnant)	(Tall) Open Forest
Floristic Association (See Appendix l for common names)	Eucalyptus obliqua E. viminalis E. delegatensis Acacia melanoxylon A. dealbata	Eucalyptus delegatensis E. obliqua E. viminalis Acacia melanoxylon	Eucalyptus delegatensis feiopea truncata Leptospermum lanigerum Olearia phlogopappa Acacia dealbata Atherosperma moschatum Oxylobium ellipticum Puitenaea juniperina
SOIL Surface(A)Texture	Organic Loam	Organic Loam (Sandy Loam in Places)	Sandy Loam
B Horizon(subsoil) Colour (wet) Texture and primary profile form	Stony, gravelly, dark brown (7. 5 YR 3/2) clay loam. Gradational.	Dark brown (7. 5 YR 3/2) to yellowish browa (10 YR 5/6) clay loam. Gradational.	Stony, gravelly, yellowish brown (10 YR 5/6) to greyish brown (10YR 5/2) sandy clay loam. Gradatlonal.
Permeability	Moderate	Moderate	High
Typical depth(m)	>0. 40	>0. 30	>0. 15
Depth(A)Horizon(m)	0. 10	0. 20	0. 05
LAND USE		Forestry, grazing	
HAZARDS		Moderate rill, gully and sheet erosion	