

APPENDIX F. LAND SYSTEMS HIERARCHY

F.1 Land systems

A land system is an area of land, distinct from the surrounding terrain, that has a specific climatic range, parent material and landform pattern. These features are expressed as a recurring sequence of land components. Land system mapping is generally at a scale of 1:100 000 or 1:250 000 and is appropriate for large scale planning exercises, such as regional planning.

Land units or components are distinguished by recurring slope, soil, aspect and vegetation patterns. Land units are therefore

subject to similar forms of land degradation. A map unit may be the same as a land unit, however a larger mapping scale allow land units to be divided into further distinct areas based on more specific soil and topographical characteristics. The hierarchy of the Land System concept has been maintained in this study.

In Table F.1 below, the close relationship between the mapped units of the two more-detailed studies can be seen. Where clear relationships do not occur, the 1:25 000 land capability study has invariably been able to map and identify more accurately the landform and soil type.

Table F.1 Land systems.

(i) Land Systems of Victoria (Rowan, 1990) 1:250 000	(ii) A Study of the Land in the Campaspe River Catchment Lorimer & Schoknecht ,1987) 1:100 000		(iii) Map Units in the District of Strathfieldsaye (This study) 1:25 000			
	land system	land system	major soil	map units	major	
					soil	minor
4.2 Pf5 4.1 Ffc4	Re	Dr Ug	Qap Qa1 Qa2	Dr3.42 Uf Dy3.42		
7.2 Pv5	Mi	Ug	Tbb Tbc Tbd Tbf Tbr Tbp	Gn3.12 Gn3.12 Gn3.12 Gn3.12 Ug5.2 Ug5.2	Um Um Um Um	
2.1 Gs5	WH	Dr Dy	Tse Tsf Tsg	Dy3.41 Dy3.41 Dy3.41	Dy3.42 Dy3.42 Dy3.42	
2.1 Ss5	Js	Gn	Tfd Tff	Dy3.41 Dy3.41	Dy3.11 Dy3.11	
2.1 Sg5	SG	Dy	Dgr Dga Dgb Dgc Dgd Dge Dgf Dgg Dgh	Uc1.21 Uc1.21 Uc1.21 Uc1.21 Dy3.41 Uc1.21 Dy3.41 Dy3.41 Um	Dy2.11 Dy2.11 Dy2.11 Dy2.11 Dy2.11 Dy2.11 Dd1	
2.1 Gs5 Gs4	Wd	Gn Dy Dr	Ose Osf Osg Osh	Dy2.11 Dy3.42 Dy3.42 Dy3.42	Dr3.42 Dr3.42 Uf	
2.1 Gs5 Gs4	GC	Dy Gn	Ose Osf Osg Osh	Dy2.11 Dy3.42 Dy3.42 Dy3.42	Dy3.41 Dy3.41 Uf	
2.1 Ss5 Gs5	Kn	Gn Dy	Osa Osb Osc Osd Ose Osf Osh	Dy2.11 Dy2.11 Dy2.11 Dy2.11 Dy2.11 Dy3.42 Dy3.42	Dy3.11 Dy3.11 Dy3.11 Dy3.11 Dy3.11 Dy3.11 Uf	