

MAP 7 (EAST) LAND SYSTEMS

LAND SYSTEMS

MALLEE AREA - REVIEW

1:250 000

Land Conservation Council
Vicinity

GEOMORPHIC UNIT	LAND SYSTEM SYMBOL (See Key)	DOMINANT DEPENDENT FEATURES		CORRELATION WITH LAND SYSTEMS IN 1974 LCC REPORT
		INDIGENOUS VEGETATION	SOILS (in order of occurrence)	
MALLEE DUNEFIELD				
Very closely-spaced, reddish-yellow, e-w dunes with soft cores — on plains and ridges	EPRfc2 EPRfc3 EPfc2 PEc2	Low mallee scrub	Reddish yellow sands Sandy red duplex soils Calcareous earths	Central Mallee
on plains in Raak depression				
Sandpans with scattered reddish-yellow, e-w dunes in Noora depression				
Closely-spaced e-w dunes with compact cores — on plains and ridges in north	EPRfc2 EPRfc3 EPfc2 EPfc2	Mallee scrub	Calcareous earths Sandy red duplex soils	Central Mallee, Tempy
on plains in Raak depression				
on plains in Noora depression				
Scattered e-w dunes — on plains and ridges in south	PREfc3	Mallee scrub	Calcareous earths Calcareous earths Sandy red duplex soils	Hopetoun
on ridges and plains in north	RPEfc2 RPEfc3 PREfc2	Pine-belar woodland Tall mallee scrub Grassy pine-belar woodland Mallee scrub	Calcareous earths Sandy calcareous earths Grassy pine-belar woodland Calcareous earths Sandy calcareous earths	Milewa Central Mallee
on plains and ridges fringing the Noora depression				
on plains in Raak and Tyrrell depressions	PEfc2 PEfc3	Tall mallee scrub Grassland	Grey gypseous clays Sandy red duplex soils	Hopetoun
Weakly-oriented dunes on plains and ridges in south	WPRI3	Mallee scrub	Calcareous earths Calcareous clays	Boigheat
Plains, ridges and areas of weakly-oriented dunes in south	PWRI3	Tall mallee scrub Mallee scrub	Calcareous clays Calcareous earths	Culgoa
Locally high ridges without linear dunes — Yarrara, Robinson, Walpeup	Rf2 Rf3	Pine-belar woodland Mallee scrub	Calcareous earths	Boigheat
Evaporative basin plains — plains with gypseous dunes in depressions	PYfz2 PYfz3 PYfc2	Sapphire shrubland Saltbush shrubland Tall mallee scrub Low mallee scrub	Calcareous earths Saline loams Shallow loams on copri Sandy red duplex soils Shallow loams on copri Saline clays	Raak Berrook
saltpans in Raak depression	Pz2 Pc2	— Grassland Pine-belar-buloke woodland Tall mallee scrub	Sandy red duplex soils Saline clays	
saltpans in Raak depression	Lf2 Lf3	Pine-belar woodland Pine-belar-buloke woodland Tall mallee scrub	Red duplex soils Yellow duplex soils	Raak, Lindsay Island
saltpans in Raak depression				
Clay plains and sandpans in Raak depression	Pfc2 Pc2	Grassland Pine-belar-buloke woodland Tall mallee scrub	Sandy red duplex soils Grey gypseous clays Calcareous earths	Berrook
Irregular pale dunes, closely to widely-spaced — on plains and ridges	IPRc2 IPRc3 IPRc4 IPc2	Low mallee scrub Low mallee scrub Heath Low mallee scrub	Pale sands	Berrook Big Desert 2 Berrook
on plains in Raak and Noora depressions				
Very closely-spaced pale e-w dunes — on plains and ridges	EPRc2 EPRc3 EPRc4 EPc2 EPc2	Low mallee scrub Low mallee scrub Heath Low mallee scrub	Pale sands Sandy mottled duplex soils Calcareous earths in east Pale sands Sandy mottled duplex soils	Berrook Big Desert 1 Berrook
on plains in Raak depression				
on plains in Noora depression				
RIVERINE PLAIN				
Present flood plains — beside Murray River and some creek courses in Mallee Dunefield	Ffc2 Ffc3 FWc2	Redgum and blackbox woodland Grassland Redgum and blackbox woodland Pine woodland Mallee scrub	Grey clays Grey sands Grey sands Reddish yellow sands Grey clays	Lindsay Island Tyrrell Creek Lindsay Island
with areas of sandy weakly-oriented dunes, Kulkynie				
Higher alluvial plains — terraces beside Murray River and some creek courses in Mallee Dunefield	Pf2 Pf31 Pf32	Saltbush shrubland Blackbox woodland Grassland Blackbox and buloke woodland Bluebush shrubland	Red and brown duplex soils, saline at depth Red duplex soils Grey clays Sandy red duplex soils Red and brown duplex soils, saline at depth	Neds Corner Tyrrell Creek Neds Corner
terraces with e-w dunes west of Mildura				
broad plains in south-east	Pf32	Blackbox-buloke open woodland	Red brown clays Grey clays	Wycheproof

NOTES:

- The last (smaller font) number in the Land Systems **Pf31** and **Pf32** indicate subdivision of **Pf3** according to soil.
- Land system mapping by J.N. Rowan.

Study area boundary
Public land

KEY TO LAND SYSTEM SYMBOLS

LANDFORM

- E East-west dune
- F Present floodplain
- I Irregular dune
- L Lunette
- P Plain above flood level
- R Stranded beach ridge, usually trending n-w-sse
- W Weakly elongated dune
- Y Gypseous dune

LITHOLOGY

- c Coarsely-textured unconsolidated deposits
- f Finely-textured unconsolidated deposits
- l Limestone
- z Saline finely-textured deposits

CLIMATE (mean annual rainfall)

- 2 200 - 300 mm
- 3 300 - 400 mm
- 4 400 - 500 mm