

1 : 250 000

0 5 10 15 20

Kilometres

Land Conservation Council

GEOMORPHIC UNIT	LAND SYSTEM SYMBOL (See Key)	LEGEND		CORRELATION WITH LAND SYSTEMS IN 1974 LCC REPORT
		INDIGENOUS VEGETATION	DOMINANT DEPENDENT FEATURES SOILS (in order of occurrence)	
MALLEE DUNEFIELD Very closely-spaced, reddish-yellow, e-w dunes with soft cores — on plains and ridges	EPRcf2 EPRcf3	Low mallee scrub	Reddish yellow sands Sandy red duplex soils Calcareous earths	Central Mallee
on plains in Raak depression	EPcf2		Sandy red duplex soils	
Sandplains with scattered reddish-yellow, e-w dunes in Noora depression	PECf2	Low mallee scrub	Sandy red duplex soils Reddish yellow sands Calcareous earths	
Closely-spaced e-w dunes with compact cores — on plains and ridges in north	EPRfc2 EPRfc3	Mallee scrub	Calcareous earths Sandy red duplex soils	
on plains in Raak depression	EPcf2	Mallee scrub	Shallow loams on limestone Sand red duplex soils	Central Mallee
on plains in Noora depression	EPcf2			
Scattered e-w dunes — on plains and ridges in south	PREfc3	Mallee scrub	Calcareous clays Calcareous earths Sandy red duplex soils	Hopetoun
on ridges and plains in north	RPEfc2 RPEfc3	Pine-beler woodland Tall mallee scrub	Calcareous earths Sandy calcareous earths	Central Mallee
on plains and ridges fringing the Noora depression	PREfc2	Grazey pine-beler woodland Mallee scrub	Shallow loams on limestone Calcareous earths Sandy calcareous earths	
on plains in Raak and Tyrrill depressions	PEfc2 PEfc3	Tall mallee scrub Grassland	Grey gypsaceous clays Sandy red duplex soils	
Weakly-oriented dunes on plains and ridges in south	WPRf3	Mallee scrub	Calcareous earths Calcareous clays	Boigbeat
Plains, ridges and areas of weakly-oriented dunes in south	PWRf3	Tall mallee scrub Mallee scrub	Calcareous clays Calcareous earths	Culgoa
Locally high ridges without linear dunes — Yarrara, Robinvale Walpeup	Rf2 Rf3	Pine-beler woodland Mallee scrub	Calcareous earths	Boigbeat
Evaporative basin plains — plains with gypsaceous dunes in depressions	PVt2z PVt2z PVcf2	Sapphire shrubland Saltbush shrubland Tall mallee scrub	Calcareous earths Saline loams Shallow loams on copli Sandy red duplex soils Shallow loams on copli	Raak
saltpans in Raak depression	Pz2	—	Saline clays	
sandpans and saltpans in Raak depression	Pcz2	Grassland Pino-beler-buloke woodland	Sandy red duplex soils Saline clays	Raak
tumettes (also in Riverine Plain)	Lf2 Lf3	Pine-beler woodland Pino-beler-buloke woodland Tall mallee scrub	Red duplex soils Yellow duplex soils	Raak, Lindsay Island
Clay plains and sandplains in Raak depression	Pfc2 Pcf2	Grassland Pino-beler-buloke woodland Tall mallee scrub	Sandy red duplex soils Grey gypsaceous clays Calcareous earths	Berrook
Irregular pale dunes, closely to widely-spaced — on plains and ridges	IPRcf2 IPRcf3 IPRcf4	Low mallee scrub Low mallee scrub Heath	Pale sands	Berrook
on plains in Raak and Noora depressions	IPcf2	Low mallee scrub		
Very closely-spaced pale e-w dunes — on plains and ridges	EPRcf2 EPRcf3 EPRcf4	Low mallee scrub Low mallee scrub Heath	Pale sands Sandy mottled duplex soils Calcareous earths in east	Big Desert 1
on plains in Raak depression	EPcf2	Low mallee scrub	Pale sands	
on plains in Noora depression	EPcf2	Low mallee scrub	Sandy mottled duplex soils	Berrook
RIVERINE PLAIN Present flood plains — beside Murray River and some creek courses in Mallee Dunefield	Ffc2 Ffc3 FWcf2	Redgum and blackbox woodland Grassland	Grey clays Grey sands	Lindsay Island Tyrrill Creek
with areas of sandy weakly-oriented dunes, Kullkyne		Redgum and blackbox woodland Pine woodland Mallee scrub	Grey sands Reddish yellow sands Grey clays	Lindsay Island
Higher alluvial plains — terraces beside Murray River and some creek courses in Mallee Dunefield	PF2 PF3f PEFcf2	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 Tyrrill Creek Neds Corner
terraces with e-w dunes west of Mildura				
broad plains in south-east	PF3z	Blackbox-buloke open woodland	Red brown clays Grey clays	Wycheproof

NOTES:

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

Study area boundary

LANDFORM

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