

Map unit descriptive name	Map label	Area (ha)	% of CMA region	Dominant soil group	Descriptive landform	Land degradation	
						Sheet and rill erosion	Gully and tunnel erosion
Apsley plains	Apsley	44123.10	1.88	39	Plain	Low	Moderate
Arapiles steep hills	Arapiles	4592.51	0.20	41	Steep hills	High	Moderate
Ararat hills	Ararat	5459.61	0.23	1	Strike ridge hills	High	Moderate
Balmoral undulating plain	Balmoral	3230.69	0.14	18	Deeply dissected valley	Very low	High
Bangerang prior stream plains	Bangerang	8435.31	0.36	34	Plains with prior streams	Low	Low
Barrabool sand plains	Barrabool	12250.60	0.52	25	Sand plain	Moderate	Moderate
Barton lava plains	Barton	2077.22	0.09	9	Lava plain	Moderate	Moderate
Bellellen undulating rises	Bellellen	13877.05	0.59	5,6	Undulating low hills & rises	Moderate	Moderate-high
Benayeo gilgai plains	Benayeo	19104.17	0.82	37	Plain	Moderate	Very low
Beulah plains	Beulah	27141.97	1.16	29,30	Gently undulating plains	Low-moderate	Low
Big Desert dense dunes	Big Desert 1	99513.74	4.25	31	Dense linear dunes	Very low	Low
Big Desert jumbled dunes	Big Desert 2	47769.85	2.04	32	Sandplain with jumbled dunes	Very low	Moderate
Brim undulating rises	Brim	18210.63	0.78	29,30	Gently undulating rise	Low-moderate	Low
Brimpaen undulating plain	Brimpaen	5556.16	0.24	20	Undulating plain	Low	Low
Broughton undulating plains	Broughton	6893.92	0.29	35	Gently undulating plain	Moderate	Moderate
Charlton gentle rises	Charlton	21794.09	0.93	29	Moderately undulating plains	Low	Low
Concongella hills	Concongella	6875.88	0.29	1	Hills	High	Moderate
Darragan rolling rises	Darragan	9490.98	0.40	40	Rolling rises	Low	High
Diapur ridge	Diapur	95960.89	4.09	36	Undulating stranded beach ridge	Moderate	Moderate
Dimboola rises	Dimboola	16620.60	0.71	26	Gently undulating rises	Low	Moderate
Donald lake and lunettes	Donald	4691.94	0.20	27,34	lake-lunette system-cluster	Low	Low-moderate
Dooen eroded plain	Dooen	5759.93	0.25	34	Eroded plain	Low	Low
Douglas lake and lunettes	Douglas l&l	5758.89	0.25	33	Lake and lunette	Very low	Low
Drung alluvial plain	Drung	34947.85	1.49	22	Alluvial floodplain	Very low	Very low
Edenhope undulating plains	Edenhope	19590.65	0.84	38	Plains with subdued ridges	Very low	Moderate
Elmhurst footslopes	Elmhurst	825.31	0.04	2	Hillslopes & footslopes	Moderate	High
Fairview plains	Fairview	2028.53	0.09	37	Gently undulating plains	Moderate	Very low
Glenorchy rises	Glenorchy	24917.45	1.06	5,6	Dissected plain	Moderate	Moderate-high
Goroke plains and rises	Goroke	65547.22	2.80	38	Plain with prominent ridges	Very low	Moderate
Grampians outwash slopes	Grampians outwash	14826.51	0.63	15,16	Outwash slopes	Low-high	Moderate
Grampians plains	Grampians plains	31149.89	1.33	17	Colluvial plains and slopes	Low	Moderate
Grampians Ranges	Grampians Ranges	40355.10	1.72	13	Mountains	Very high	High
Grampians storages*	Grampians storages	**	**	0	Water storage	-	-
Great Western rises	Great Western	41208.95	1.76	5,6	Foothills & Footslopes	Moderate	Moderate-high
Harrow valley	Harrow	2577.86	0.11	18	Dissected valley	Very low	High
Hindmarsh-Albacutya lunettes	Hindmarsh-Albacutya lunettes	13211.41	0.56	25	lunette	Moderate	Moderate
Hopetoun rises and swales	Hopetoun	98903.92	4.22	27,30	Undulating rises	Low-moderate	Low-moderate
Horsham lake and lunettes	Horsham l&l	7314.39	0.31	33,34	Lake and lunette	Very low-low	Low
Horsham lake-lunette cluster	Horsham l&l2	10769.10	0.46	37	Lake and lunette cluster	Moderate	Very low
Horsham south flat plains	Horsham sth fp	37507.71	1.60	23	Stagnant alluvial floodplain	Low	Low
Horsham south sand-clay plain	Horsham sth sc	31859.23	1.36	23	Dissected plains	Low	Low
Horsham township*	Horsham township	1201.66	0.05	0	Township	-	-
Howard Creek plains	Howard Creek	6522.66	0.28	5,6,7,11	Dissected plains	Low-moderate	Very low-high
Jerro eroded ridges and slopes	Jerro	17479.82	0.75	34	Eroded ridge & slopes	Low	Low
Joel South hills	Joel South	4257.90	0.18	1	Hills	High	Moderate
Kalkee plains	Kalkee	86383.05	3.69	34	Gently undulating plains	Low	Low
Kalkee plains 2	Kalkee2	36166.53	1.54	34	Gently undulating plains	Low	Low
Kanawinka sandsheets and dunes	Kanawinka	385.01	0.02	38	Sand sheets & dunes	Very low	Moderate
Kanya hills	Kanya	1286.49	0.05	3	Low hills	High	High
Kellalac ridge crests	Kellalac	2564.12	0.11	34	Eroded ridge crest	Low	Low
Kiata rises	Kiata	64585.43	2.76	27,35	Gently undulating rises	Low-moderate	Moderate
Kowree undulating sand plains and	Kowree	105925.40	4.52	38	Undulating sand plain & ridges	Very low	Moderate
Kybybolite plains	Kybybolite	4032.71	0.17	38	Plains	Very low	Moderate
Landsborough footslopes	Landsborough	11472.36	0.49	1,3	Plains and footslopes	High	Moderate-high
Langi Ghiran Ranges	Langi Ghiran	12112.52	0.52	3	Granitic mountains	High	High
Langi Ghiran colluvial footslopes	Langi slopes	3479.49	0.15	2,7	Colluvial footslopes	Moderate	Moderate-high

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Langkoop clay plain	Langkoop	4047.80	0.17	38	Clay plain	Very low	Moderate
Lillimur South clay plains	Lillimur South	12655.91	0.54	37	Self mulching clay plains	Moderate	Very low
Little desert linear dunes	Little Desert 1	45139.44	1.93	31	Linear dunes	Very low	Low
Little desert parabolic dunes	Little Desert 2	106378.39	4.54	32	Parabolic dunes	Very low	Moderate
Longerenong prior stream plains	Longerenong	11323.76	0.48	23	Prior stream plains	Low	Low
Lorquon undulating plains	Lorquon	78392.37	3.34	37	Gently undulating plain	Moderate	Very low
Lowan salt valley	Lowan	34924.41	1.49	26	Valley plain	Low	Moderate
Lubeck alluvial plains	Lubeck	4393.60	0.19	23	Alluvial plain/floodplain	Low	Low
Merryvale lakes and ridges	Merryvale	1408.61	0.06	38	Lakes & ridges	Very low	Moderate
Minimay plains	Minimay	4121.14	0.18	37	Gently undulating plains	Moderate	Very low
Mokepilly undulating plains	Mokepilly	3253.07	0.14	5	Undulating plain	Moderate	High
Morton drainage plains	Morton	1805.10	0.08	27	Drainage plains	Low	Moderate
Mosquito Creek swampy sand plains	Mosquito Creek	10433.43	0.45	38	Swampy sandplain	Very low	Moderate
Mount Cole Creek	Mt Cole Creek	20368.25	0.87	10	Drainage complex	Very low	Moderate
Mount Dryden metamorphic hills	Mt Dryden	2108.34	0.09	2	Metamorphic hills	Moderate	High
Mount William Creek	Mt William Creek	13295.33	0.57	11	Alluvial plain	Low	Very low
Mount William Creek 2	Mt William Creek 2	10202.96	0.44	11	Alluvial plain	Low	Very low
Murra Warra East gentle rises	Murra Warra East	62316.81	2.66	27,34	Moderately undulating plains	Low	Low-moderate
Murra Warra West gentle rises	Murra Warra West	58569.68	2.50	27,34	Gentle rises	Low	Low-moderate
Murtoa flats	Murtoa	844.17	0.04	24	Black box flats	Low	Very low
Natimuk-Douglas valley	Natimuk-Douglas	29326.15	1.25	38	Shallow valley	Very low	Moderate
Navarre foothills	Navarre	11723.23	0.50	1,5,6	Foothills	Moderate-high	Moderate-high
Neurapur undulating plains	Neurapur	17185.79	0.73	37	Plain with subdued ridges	Moderate	Very low
Nhill lake and lunettes	Nhill l&l	9242.62	0.39	33	Lake-lunette	Very low	Low
Nurcoung plains	Nurcoung	13861.10	0.59	37	Plains	Moderate	Very low
Perenna undulating sand plains and	Perenna	26355.43	1.12	36	Gently undulating sand plains	Moderate	Moderate
Powers Creek sand plains	Powers Creek	7852.49	0.34	38	Gently undulating sand plains	Very low	Moderate
Pyrenees Ranges	Pyrenees	23684.17	1.01	1	Mountains	High	Moderate
Quantong dunes and swales	Quantong	25345.15	1.08	31,32	Dune & swale	Very low	Low-moderate
Rainbow hummocky dunes and plains	Rainbow	8563.92	0.37	30	Hummocky dunes	Moderate	Low
Rhymney hills	Rhymney	18330.91	0.78	1	Undulating low hills	High	Moderate
Riverside level plains	Riverside	328.24	0.01	24,34	Level plain	Low	Very low-low
Rocky Point low hills and rises	Rocky Point	4182.16	0.18	3	Undulating rises & low hills	High	High
Servicetown North limestone rises	Servicetown North	529.57	0.02	37	Limestone rises	Moderate	Very low
Six-Seven Mile creeks	Six-Seven Mile creeks	6788.47	0.29	11	Drainage complex	Low	Very low
St Helens gentle plains	St Helens	32071.66	1.37	34	Gentle plain	Low	Low
Sugarloaf granitic hills	Sugarloaf	11412.48	0.49	3,4	Granitic hills	High	High
Surrudge foothills	Surrudge	5846.03	0.25	1,2	Footslopes & foothills	Moderate-high	Moderate-high
Tallageira swampy sand plains	Tallageira	20443.31	0.87	31	Swampy sandplain	Very low	Low
Telangatuk plains	Telangatuk	13222.87	0.56	38	Flat plain	Very low	Moderate
Terminal lakes*	Terminal lakes	25662.17	1.09	0	Terminal lakes	-	-
Ullswater plains & rises	Ullswater	60933.46	2.60	38	Plains with parallel ridges	Very low	Moderate
Vectis undulating rises and low hills	Vectis	13292.65	0.57	27,34	Undulating rises & low hills	Low	Low-moderate
Wail parabolic dunes	Wail	3295.30	0.14	32	Parabolic dunes	Very low	Moderate
Wal Wal prior stream plains	Wal Wal	21905.78	0.93	23	Prior stream floodplain	Low	Low
Wartook granite hills	Wartook	2252.85	0.10	3	Moderate to steep hills	High	High
Wattle Creek covered plain	Wattle Creek	7276.99	0.31	10	Covered plain	Very low	Moderate
Werrap lakes and lunettes	Werrap	6018.54	0.26	28	lake-lunette complex	Moderate	Moderate
West Wimmera swamp, lake and	West Wimmera	12889.41	0.55	33	Lake and lunette	Very low	Low
Wimmera River	Wimmera River	19742.62	0.84	1	Alluvial floodplain	High	Moderate
Woorak clay plains	Woorak	55686.07	2.38	37	Grey clay plain	Moderate	Very low
Yarriambiack/Dunmunkle Creek	Yarriambiack-Dunmunkle	22053.02	0.94	21	River	Moderate	Very low

* No soil-landform unit description provided

** Area and % of CMA region has been combined into the Terminal lakes totals

Map unit descriptive name	Land degradation					
	Wind erosion	Soil compaction	Topsoil pH	Subsoil pH	Topsoil sodicity	Subsoil sodicity
Apsley plains	High	Moderate	Neutral	Neutral	Non sodic	Mesonatric
Arapiles steep hills	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Ararat hills	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Balmoral undulating plain	Very high	Moderate	Neutral	Neutral	Non sodic	Subnatric
Bangerang prior stream plains	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Barrabool sand plains	High	High	Neutral	Alkaline	Hypernatric	Mesonatric
Barton lava plains	Moderate	Moderate	Acid	Neutral	Subnatric	Hypernatric
Bellellen undulating rises	Moderate	High	Neutral-acid	Neutral	Non sodic	Subnatric-mesonatric
Benayeo gilgai plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Beulah plains	Moderate-high	Moderate	Alkaline	Alkaline	Non sodic-hypernatric	Mesonatric-hypernatric
Big Desert dense dunes	Very high	Low	Neutral	Neutral	Non sodic	Subnatric
Big Desert jumbled dunes	Very high	Low	Neutral	Alkaline	Subnatric	Mesonatric
Brim undulating rises	Moderate-high	Moderate	Alkaline	Alkaline	Non sodic-hypernatric	Mesonatric-hypernatric
Brimpaen undulating plain	Moderate	Low	Neutral	Neutral	Non sodic	Subnatric
Broughton undulating plains	Very low	Moderate-high	Neutral	Alkaline	Non sodic	Hypernatric
Charlton gentle rises	Moderate	Moderate	Alkaline	Alkaline	Non sodic	Hypernatric
Concongella hills	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Darragan rolling rises	Very high	Moderate	Neutral	Neutral	Non sodic	Mesonatric
Diapur ridge	Moderate	Moderate	Neutral	Alkaline	Non sodic	Hypernatric
Dimboola rises	High	Moderate	Alkaline	Alkaline	Non sodic	Mesonatric
Donald lake and lunettes	High	Low-high	Alkaline	Alkaline	Non sodic-subnatric	Subnatric-hypernatric
Dooen eroded plain	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Douglas lake and lunettes	Moderate	Low	Neutral	Neutral	Non sodic	Subnatric
Drung alluvial plain	Very low	High	Neutral	Neutral	Non sodic	Subnatric
Edenhope undulating plains	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Elmhurst footslopes	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Fairview plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Glenorchy rises	Moderate	High	Acid-neutral	Neutral	Non sodic	Subnatric-mesonatric
Goroke plains and rises	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Grampians outwash slopes	Moderate-high	Low	Acid	Neutral	Non sodic	Non sodic
Grampians plains	High	Moderate	Neutral	Neutral	Non sodic	Non sodic
Grampians Ranges	Very high	Low	Acid	Neutral	Non sodic	Non sodic
Grampians storages*	-	-	-	-	-	-
Great Western rises	Moderate	High	Acid-neutral	Neutral	Non sodic	Subnatric-mesonatric
Harrow valley	Very high	Moderate	Neutral	Neutral	Non sodic	Subnatric
Hindmarsh-Albacutya lunettes	High	High	Neutral	Alkaline	Hypernatric	Mesonatric
Hopetoun rises and swales	High	Moderate-high	Alkaline	Alkaline	Subnatric-hypernatric	Mesonatric-hypernatric
Horsham lake and lunettes	Moderate-high	Low	Neutral-alkaline	Neutral-alkaline	Non sodic	Subnatric
Horsham lake-lunette cluster	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Horsham south flat plains	Low	High	Neutral	Alkaline	Non sodic	Mesonatric
Horsham south sand-clay plain	Low	High	Neutral	Alkaline	Non sodic	Mesonatric
Horsham township*	-	-	-	-	-	-
Howard Creek plains	Low-moderate	Low-high	Acid-neutral	Acid-neutral	Non sodic	Non sodic-mesonatric
Jerro eroded ridges and slopes	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Joel South hills	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Kalkee plains	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Kalkee plains 2	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Kanawinka sandsheets and dunes	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Kanya hills	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Kellalac ridge crests	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Kiata rises	Very low-high	Moderate-high	Neutral-alkaline	Alkaline	Non sodic-subnatric	Hypernatric
Kowree undulating sand plains and	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Kybybolite plains	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Landsborough footslopes	Low-high	Low-moderate	Acid-neutral	Neutral	Non sodic	Non sodic-subnatric
Langi Ghiran Ranges	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Langi Ghiran colluvial footslopes	Moderate-high	Low-moderate	Acid	Acid-neutral	Non sodic	Non sodic-subnatric

Map unit descriptive name	Land degradation					
	Wind erosion	Soil compaction	Topsoil pH	Subsoil pH	Topsoil sodicity	Subsoil sodicity
Langkoop clay plain	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Lillimur South clay plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Little desert linear dunes	Very high	Low	Neutral	Neutral	Non sodic	Subnatric
Little desert parabolic dunes	Very high	Low	Neutral	Alkaline	Subnatric	Mesonatric
Longerenong prior stream plains	Low	High	Neutral	Alkaline	Non sodic	Mesonatric
Lorquon undulating plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Lowan salt valley	High	Moderate	Alkaline	Alkaline	Non sodic	Mesonatric
Lubeck alluvial plains	Low	High	Neutral	Alkaline	Non sodic	Mesonatric
Merryvale lakes and ridges	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Minimay plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Mokepilly undulating plains	Moderate	High	Neutral	Neutral	Non sodic	Mesonatric
Morton drainage plains	High	High	Alkaline	Alkaline	Subnatric	Hypernatric
Mosquito Creek swampy sand plains	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Mount Cole Creek	Low	Moderate-high	Neutral	Neutral	Non sodic	Non sodic
Mount Dryden metamorphic hills	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Mount William Creek	Low	Low	Neutral	Neutral	Non sodic	Subnatric
Mount William Creek 2	Low	Low	Neutral	Neutral	Non sodic	Subnatric
Murra Warra East gentle rises	High	Low-high	Alkaline	Alkaline	Non sodic-subnatric	Subnatric-hypernatric
Murra Warra West gentle rises	High	Low-high	Alkaline	Alkaline	Non sodic-subnatric	Subnatric-hypernatric
Murtoa flats	Very low	Low-moderate	Alkaline	Alkaline	Non sodic	Non sodic
Natimuk-Douglas valley	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Navarre foothills	Low-moderate	Low-high	Acid-neutral	Neutral	Non sodic	Non sodic-mesonatric
Neurapur undulating plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Nhill lake and lunettes	Moderate	Low	Neutral	Neutral	Non sodic	Subnatric
Nurcoung plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Perenna undulating sand plains and	Moderate	Moderate	Neutral	Alkaline	Non sodic	Hypernatric
Powers Creek sand plains	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Pyrenees Ranges	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Quantong dunes and swales	Very high	Low	Neutral	Neutral-alkaline	Non sodic-subnatric	Subnatric-mesonatric
Rainbow hummocky dunes and plains	High	Moderate	Alkaline	Alkaline	Hypernatric	Mesonatric
Rhymney hills	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Riverside level plains	Very low-high	Low-moderate	Alkaline	Alkaline	Non sodic	Non sodic-subnatric
Rocky Point low hills and rises	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Servicetown North limestone rises	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Six-Seven Mile creeks	Low	Low	Neutral	Neutral	Non sodic	Subnatric
St Helens gentle plains	High	Low	Alkaline	Alkaline	Non sodic	Subnatric
Sugarloaf granitic hills	Low-high	Moderate	Acid	Neutral	Non sodic	Subnatric
Surr ridge foothills	Low-high	Low-moderate	Acid-neutral	Neutral	Non sodic	Non sodic-subnatric
Tallageira swampy sand plains	Very high	Low	Neutral	Neutral	Non sodic	Subnatric
Telangatuk plains	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Terminal lakes*	-	-	-	-	-	-
Ullswater plains & rises	Moderate	Moderate	Neutral	Neutral	Subnatric	Hypernatric
Vectis undulating rises and low hills	High	Low-high	Alkaline	Alkaline	Non sodic-subnatric	Subnatric-hypernatric
Wail parabolic dunes	Very high	Low	Neutral	Alkaline	Subnatric	Mesonatric
Wal Wal prior stream plains	Low	High	Neutral	Alkaline	Non sodic	Mesonatric
Wartook granite hills	High	Moderate	Acid	Neutral	Non sodic	Subnatric
Wattle Creek covered plain	Low	Moderate-high	Neutral	Neutral	Non sodic	Non sodic
Werrap lakes and lunettes	Very high	Low	Neutral	Alkaline	Subnatric	Mesonatric
West Wimmera swamp, lake and	Moderate	Low	Neutral	Neutral	Non sodic	Subnatric
Wimmera River	Low	Low	Neutral	Neutral	Non sodic	Non sodic
Woorak clay plains	High	Low-moderate	Neutral	Alkaline	Non sodic	Mesonatric
Yarriambiack/Dunmunkle Creek	Moderate	High	Neutral	Alkaline	Subnatric	Subnatric

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