Dominant land features										
Map symbol	Land system	Area (km²)	Land form	Geology	Average annual rainfall (mm)	Soils	Native vegetation	Land use	Soil deterioration	
									Form	Susceptibility
Mountains										
PN	Pyrenees North	99	Mountain ridge	Cambrian sandstone and slate	550—625	Um 5.21 — Shallow stony uniform loam soils. Dr 2.41 — Stony red duplex soils.	Open forest: *E. macrorhyncha, E. polyanthemos, E. goniocalyx, E. melliodora*	Forestry	Sheet erosion Landslips Gully erosion	High Moderate Moderate
PS	Pyrenees South	155	Mountain ridge	Cambrian sandstone and slate	590—625	Um 5.21 — Shallow stony uniform loam soils. Dr 2.41 — Stony red duplex soils.	Open forest: *E. st-johnii, E. obliqua, E. macrorhyncha, E. polyanthemos, E. goniocalyx*	Forestry, grazing	Sheet erosion Landslips Gully erosion	High Moderate Moderate
Steep hills — sedimentary										
BH	Bald Hill	60	Hill (metamorphic aureole)	Ordovician sandstone and mudstone	400—450	Um 5.21 — Shallow stony uniform loam soils.	Open forest: *E. microcarpa, E. leucoxylon*	Grazing, quarrying	Sheet erosion	High
BR	Bealiba Range	15	Hill (metamorphic aureole)	Ordovician sandstone and mudstone	430—500	Um 5.21 — Shallow stony uniform loam soils.	Open forest: *E. macrorhyncha, E. polyanthemos, E. goniocalyx*	Forestry, grazing	Sheet erosion	High
SH	Spring Hill	108	Hill (metamorphic aureole)	Ordovician sandstone and mudstone	400—500	Um 5.21 — Shallow stony uniform loam soils.	Open forest: *E. polyanthemos, E. goniocalyx, E. microcarpa*	Grazing	Sheet erosion	High
Sf	Sugarloaf	37	Hill (metamorphic aureole)	Ordovician sandstone and mudstone	625—700	Um 5.21 — Shallow stony uniform loam soils.	Open forest: *E. macrorhyncha, E. polyanthemos, E. goniocalyx*	Grazing	Sheet erosion Gully erosion	High Moderate
Yg	Yalong	65	Steep hill	Ordovician sandstone and mudstone	550—625	Gn 4.11 — Stony red gradational soils.	Open forest: *E. macrorhyncha, E. goniocalyx, E. polyanthemos*	Grazing	Sheet erosion Gully erosion Salting	High Moderate Moderate
Steep hills — granite										
YH	Yowang Hill	37	Steep hill	Ordovician granite	400—450	Uc 4.31 — Uniform sandy loam soils.	Woodland: *E. microcarpa, E. leucoxylon*	Grazing	Sheet, gully erosion Landslips	High Moderate
Gentle hills — sedimentary										
Ga	Glenmona	192	Gentle hill	Ordovician sandstone and mudstone	500—600	Dr 2.42 — Red sodic duplex soils, coarsely structured.	Open forest: *E. microcarpa, E. leucoxylon, E. sideroxylon*	Grazing, cropping, forestry	Sheet, gully erosion Structure decline Salting	High Moderate Moderate
In	Ingleburn	67	Gentle ridge	Ordovician sandstone and mudstone	400—470	Gn 4.14 — Stony red gradational soils.	Open scrub: *E. behriana, E. viridis, E. polybractea*	Eucalyptus-oil production, grazing	Sheet, gully erosion	High
Wa	Wehla	577	Gentle hill	Ordovician sandstone and mudstone	400—500	Dr 2.42 — Red sodic duplex soils, coarsely structured.	Open forest: *E. leucoxylon, E. microcarpa, E. sideroxylon*	Grazing, cropping, forestry	Sheet, gully erosion Salting Structure, nutrient decline	High Moderate Moderate
Gentle hills — granite										
Ae	Amphitheatre	26	Gentle hill	Ordovician granite	600—625	Dy 3.42 — Yellow sodic duplex soils.	Woodland: *E. rubida, E. camaldulensis, E. melliodora*	Grazing, cropping	Sheet erosion Landslips, structure decline, gully erosion, flooding	High Moderate
Be	Buckrabanyule	113	Alluvial apron	Quaternary aeolian deposits overlying Ordovician granite	400—425	Dr 2.23 — Red calcareous sodic duplex soils. Ug 6.10 — Reddish brown calcareous sodic uniform clay soils.	Open woodland: *E. microcarpa, Casuarina luehmannii*	Cropping, grazing	Sheet, gully erosion Structure decline Nutrient decline	High Moderate Moderate
De	Dunluce	107	Undulating plain	Ordovician granite	430—500	Dr 2.41 — Red sodic duplex soils.	Woodland: *E. microcarpa, E. leucoxylon, Casuarina luehmannii*	Cropping, grazing	Sheet erosion Gully erosion, nutrient decline, deposition	High Moderate
Gr	Gowar	131	Undulating plain	Ordovicin granite	400—500	Dr 2.22 — Red sodic duplex soils.	Woodland: *E. microcarpa, E. leucoxylon*	Cropping, grazing	Sheet erosion Gully erosion, deposition	High Moderate
Plains — Tertiary										
Bl	Berrimal	88	Alluvial apron	Tertiary alluvium	400—500	Dr 2.41 — Red sodic duplex soils.	Open woodland: *E. leucoxylon, E. microcarpa*	Cropping, grazing	Sheet, gully erosion Nutrient decline	High Moderate
Ce	Carapooee	130	Undulating plain	Tertiary alluvium	425—500	Dy 3.41 — Mottled reddish yellow duplex soils.	Heathy low woodland: *E. goniocalyx, E. polyanthemos, E. macrorhyncha*	Gravel extraction, grazing	Sheet, gully erosion	High
Dg	Dalyenong	111	Alluvial apron	Tertiary alluvium	440—500	Dr 3.42—Red sodic duplex soils with ironstone. Dr 5.21 — Mottled red duplex soils.	Woodland: *E. microcarpa, E. leucoxylon, Casuarina luehmannii* Heathy low woodland: *E. goniocalyx, E. macrorhyncha*	Grazing, cropping	Sheet, gully erosion Salting Nutrient, structure decline	High High Moderate
Ge	Glenlogie	17	Undulating plain	Tertiary river gravel	625—700	Dy 3.41 — Mottled reddish yellow duplex soils, finely structured.	Heathy woodland: *E. goniocalyx, E. macrorhyncha, E. polyanthemos*	Gravel extraction	Sheet, gully erosion	Moderate
Pe	Percydale	167	Alluvial apron	Tertiary river gravel	500—625	Dr 3.41 — Red duplex soils. Dy 5.21 — Mottled red duplex soils.	Heathy woodland: *E. goniocalyx, E. polyanthemos, E. macrorhyncha, E. leucoxylon, E. microcarpa*	Gravel extraction, grazing	Sheet, gully erosion	Moderate
Rr	Rathscar	45	Alluvial apron	Alluvium overlain by calcareous dust	425—500	Dr 2.43 — Reddish brown calcareous sodic duplex soils.	Open forest: *E. microcarpa, E. leucoxylon*	Cropping, grazing	Gully erosion, salting Sheet erosion Nutrient structure decline	High Moderate Moderate
Yn	Yeungroon	173	Alluvial apron	Quaternary aeolian deposits overlying alluvium	400—425	Dr 2.43 — Red calcareous sodic duplex soils.	Woodland: *E. microcarpa, Casuarina luehmannii*	Cropping, grazing	Gully erosion, nutrient decline Sheet erosion	High Moderate
Plains — volcanic										
Wk	Wareek	36	Flat plain	Quaternary basalt	525—550	Ug 5.4 — Grey calcareous sodic uniform clay soils.	Open woodland: *E. microcarpa, E. leucoxylon*	Grazing, cropping	Waterlogging, structure decline	Moderate
Plains — alluvial										
Aa	Avoca	133	Flat plain	Quaternary alluvium	535—600	Dr 3.42 — Red duplex soils.	Open woodland: *E. microcarpa, E. melliodora*	Cropping, grazing	Structure decline	Moderate
Ln	Logan	228	Flat plain	Quaternary alluvium	430—500	Dr 2.42 — Red sodic duplex soils.	Woodland: *E. leucoxylon, E. microcarpa, Casuarina luehmannii*	Cropping, grazing	Structure decline	Moderate
NY	Natte Yallock	163	Flat plain	Quaternary alluvium	420—500	Dr 3.33 — Red calcareous sodic duplex soils.	Woodland: *E. microcarpa, E. leucoxylon*	Cropping, grazing	Structure decline Nutrient decline	Moderate Moderate
Wg	Woosang	408	Flat plain	Quaternary alluvium	400—450	Dr 2.23 — Red calcareous sodic duplex soils.	Woodland: *E. microcarpa, Casaurina luehmannii*	Cropping, grazing	Structure decline Nutrient decline	Moderate Moderate
Plains — aeolian										
Dc	Dooboobetic	85	Undulating plain	Quaternary aeolian deposits overlying Tertiary marine sand	400—450	Ug 6.6 — Reddish brown calcareous, sodic uniform clay soils.	Woodland: *E. microcarpa, Casaurina luehmannii*	Cropping, grazing	Windsheeting Nutrient, structure decline	Moderate Moderate

TC–15
LAND SYSTEMS IN THE CATCHMENT OF THE AVOCA RIVER

SOIL CONSERVATION AUTHORITY