**Plant communities of the ACT and region**

From *Cunninghamia* 13(1): 2013 *Armstrong et al.,* Plant communities, upper Murrumbidgee

**ALPINE COMPLEX**

**Class: Alpine Herbfields**

**a6:** *Ranunculus millanii – Pratia surrepens – Carex gaudichaudiana* herbfield of shallow depressions in the Australian Alps bioregion

**a14:** *Poa costiniana* – *Carex gaudichaudiana* subalpine valley grassland of the Australian Alps bioregion

**a22:** *Poa fawcettiae – Celmisia costiniana – Craspedia maxgrayi* grassland of the Australian Alps bioregion

**a30:** *Poa hookeri – Poa clivicola – Oreomyrrhis argentea – Ranunculus graniticola* grassland of the Australian Alps bioregion

**a38:** *Themeda australis – Galium roddii – Leucochrysum alpinum* grassland of steep limestone slopes in the Australian Alps bioregion

**Class: Alpine Heaths**

**a33:** *Bossiaea foliosa – Cassinia monticola – Kunzea muelleri – Hovea montana* heathland of the Australian Alps bioregion

**a39:** *Epacris* sp. – *Pentachondra pumila – Poa fawcettiae* heathland of the Australian Alps bioregion

**a42:** *Epacris celata* – *Poa clivicola – Dillwynia palustris* grassy heathland of the Australian Alps bioregion

**a43:** *Bossiaea riparia – Themeda australis* low open heathland of the Australian Alps bioregion

**a46:** *Prostanthera cuneata – Orites lancifolius – Nematolepis ovatifolia* heathland of the Australian Alps bioregion

**a51:** *Podocarpus lawrencei* – *Rytidosperma alpicola – Brachyscome nivalis* low open heathland of rock outcrops of the Australian Alps bioregion

**a54:** *Podocarpus lawrencei* – *Pimelea ligustrina* subsp. *ciliata* heathland of screes and boulder-fields of the Australian Alps bioregion

**g36:** *Leptospermum micromyrtus – Kunzea muelleri – Kunzea ericoides* dry heathland on skeletal ridges primarily of the Namadgi region

**Class: Alpine Bogs and Fens**

**a2:** *Baeckea gunniana – Epacris paludosa – Richea continentis – Sphagnum cristatum* wet heathland of the Australian Alps bioregion (Bog)

**a7:** *Ranunculus pimpinellifolius – Gonocarpus micranthus* herbfield of wetland margins in the Australian Alps bioregion

**a8:** *Carex gaudichaudiana – Myriophyllum pedunculatum – Deschampsia cespitosa* sedgeland of the Australian Alps bioregion (Fen)

**RAINFORESTS**

**Class: Cool Temperate Rainforests**

**g172:** Black Sassafras temperate rainforest of wet sheltered slopes in the Australian Alps and Bondo subregion of the South Eastern Highlands bioregions

**WET SCLEROPHYLL FORESTS**

**Class: Montane Wet Sclerophyll Forests**

**u40:** Alpine Ash very tall wet sclerophyll open forest primarily of the Australian Alps bioregion

**u53:** Mountain Gum – Blackwood tall wet sclerophyll open forest primarily on granitoids of the Australian Alps and western South Eastern Highlands bioregions

**u239:** Alpine Ash – Mountain Gum ± Snow Gum wet sclerophyll open forest of the Australian Alps and South Eastern Highlands bioregions

**Class: Southern Tableland Wet Sclerophyll Forests**

**u52:** Ribbon Gum – Robertson’s Peppermint very tall wet sclerophyll open forest primarily of the Bondo subregion of the South Eastern Highlands and the northern Australian Alps bioregions

**Class: Southern Escarpment Wet Sclerophyll Forests**

**p338:** Brown Barrel wet sclerophyll very tall grass-herb open forest primarily of the Gourock and Tallaganda Ranges in the South Eastern Highlands bioregion

**DRY SCLEROPHYLL FORESTS**

**Class: Southern Tableland Dry Sclerophyll Forests**

**e24:** Mountain Gum – Snow Gum very tall dry shrubby open forest primarily in the Kybeyan – Gourock subregion of the South Eastern Highlands bioregion

**m31**: Ribbon Gum – Snow Gum – *Cassinia longifolia* tall shrub-grass open forest of gullies in quartz-rich ranges in the Monaro and Kybeyan-Gourock subregions of the South Eastern Highlands bioregion

**m51:** Brittle Gum – Scribbly Gum shrub-grass tall dry sclerophyll open forest on exposed quartz-rich slopes and ridges at primarily in the Monaro and Kybeyan – Gourock subregions of the South Eastern Highlands bioregion

**p8:** Silvertop Ash – Narrow-leaved Peppermint shrubby tall dry open forest primarily on sedimentary ridges of the eastern South Eastern Highlands bioregion

**p10:** Black She-oak – Silvertop Ash tall shrubby dry sclerophyll open forest primarily in the Bungonia subregion of the South Eastern Highlands bioregion

**p9:** Brittle Gum – Scribbly Gum shrubby tall dry open forest on infertile low ridges and hills primarily of the Bungonia subregion of the South Eastern Highlands bioregion

**p14:** Red Stringybark – Scribbly Gum – *Rytidosperma pallidum* tall grass-shrub dry sclerophyll open forest on loamy ridges of the central South Eastern Highlands bioregion

**p23:** Red Stringybark – Broad-leaved Peppermint tall dry sclerophyll grassy open forest on loamy rises primarily in the Bungonia subregion of the South Eastern Highlands bioregion

**u18:** Mealy Bundy – Broad-leaved Peppermint shrubby mid-high open forest on granite substrates primarily in the South Eastern Highlands

**u21:** Broad-leaved Peppermint – Candlebark tall dry sclerophyll open forest of quartz-rich ranges of the upper South East Highlands and lower Australian Alps bioregions

**u29:** Apple Box – Broad-leaved Peppermint tall shrub-grass open forest primarily on granitoids of the South Eastern Highlands bioregion

**u105:** Broad-leaved Peppermint – Brittle Gum – Red Stringybark tall shrub-grass dry sclerophyll open forest of lower ranges of the western South Eastern Highlands and upper South Western Slopes bioregions

**u148:** Red Stringybark – Red Box grass-forb tall open forest of the upper South Western Slopes and western South Eastern Highlands bioregions

**u150:** Broad-leaved Peppermint – Mountain Gum shrubby tall open forest of the South Eastern Highlands and Australian Alps bioregions

**u152:** Robertson’s Peppermint – Red Stringybark very tall grass-forb sheltered open forest of the southwest South Eastern Highlands and upper South Western Slopes bioregions

**u165:** Robertson’s Peppermint very tall shrubby open forest primarily of the Bondo subregion of the South Eastern Highlands bioregion

**u191:** Black Cypress Pine – Brittle Gum tall dry open forest on hills primarily in the Cooma region

**Class: Upper Riverina Dry Sclerophyll Forests**

**u43:** Mealy Bundy – *Acacia implexa – Allocasuarina verticillata – Ricinocarpos bowmanii* tall grassy open woodland on serpentinite in the Coolac-Goobarragandra area primarily of the upper South Western Slopes bioregion

**u66:** Mealy Bundy – Red Stringybark grass-forb mid-high open forest of the South Eastern Highlands and Upper Slopes Subregion of the South Western Slopes bioregion

**HEATHLANDS**

**Class: Southern Montane Heaths**

**e53:** *Allocasuarina nana* shrubland on exposed skeletal ridges of primarily in the eastern South Eastern Highlands bioregion

**FORESTED WETLANDS**

**Class: Eastern Riverine Forests**

**p32d:** River She-oak riparian forest on sand/gravel alluvial soils along major watercourses of the South Eastern Highlands and upper South Western Slopes bioregions

**p56:** *Leptospermum grandifolium – Hakea microcarpa – Lomatia myricoides* riparian very tall shrubland of the eastern South Eastern Highlands bioregion

**u181:** *Callistemon sieberi – Kunzea ericoides* rocky riparian tall shrubland in the South Eastern Highlands and upper South Western Slopes bioregion

**FRESHWATER WETLANDS**

**Class: Inland Riverine Forests**

**u173:** River Red Gum ± Apple Box very tall grass-forb riparian woodland on alluvial flats in the South Eastern Highlands and upper South Western Slopes bioregions

**Class: Montane Bogs and Fens**

**a9:** *Carex gaudichaudiana – Ranunculus amphitrichus – Phragmites australis* aquatic herbfield of waterways in the Australian Alps and South Eastern Highlands bioregions

**e59:** *Hakea microcarpa – Baeckea utilis – Leptospermum myrtifolium* subalpine wet heathland on escarpment and eastern tableland ranges of the South Eastern Highlands bioregion

**u193:** *Hakea microcarpa – Epacris breviflora – Epacris paludosa* subalpine wet heathland of the Australian Alps and western South Eastern Highlands bioregions

**Class: Montane Lakes**

**L12:** Freshwater sedge-herb marsh of shallow, commonly inundated wetlands of the eastern South Eastern Highlands bioregion

**L3:** Freshwater sedge-herb marsh of shallow ephemeral lakes of the eastern South Eastern Highlands bioregion

**L4:** Freshwater sedge-herb marsh of deep semi-permanent and/or slightly saline wetlands of the eastern South Eastern Highlands bioregion

**GRASSY WOODLANDS**

**Class: Subalpine Woodlands**

**a34:** Weeping Snow Gum shrub-grass open woodland of the Australian Alps bioregion

**u22:** Mountain Gum – Snow Gum ± Robertson’s Peppermint grass-forb very tall woodland to open forest of the Australian Alps and South Eastern Highlands bioregions

**u23:** Snow Gum – Drumstick Heath – *Leptospermum myrtifolium* tall woodland to open forest of drainage depressions primarily of the South Eastern Highlands bioregion

**u27:** Snow Gum – Candlebark tall grassy woodland in frost hollows and gullies of the South Eastern Highlands bioregion

**u28:** Snow Gum – Mountain Gum – *Daviesia mimosoides* tall dry grass-shrub subalpine open forest of the Australian Alps and South Eastern Highlands bioregions

**u118:** Black Sallee grass-herb woodland in drainage depressions and moist valley flats in the South Eastern Highlands and Australian Alps bioregions

**u158:** Alpine Sallee shrub-grass subalpine mid-high woodland of the Australian Alps bioregion

**u207:** Jounama Snow Gum – Snow Gum shrubby mid-high woodland on granitoids primarily of the Namadgi region

**Class: Southern Tableland Grassy Woodlands**

**p24:** Yellow Box – Blakely’s Red Gum tall grassy woodland on undulating sedimentary and acid-volcanic substrates in the Goulburn area of the South Eastern Highlands bioregion

**u19:** Blakely’s Red Gum – Yellow Box ± White Box tall grassy woodland of the Upper South Western Slopes and western South Eastern Highlands bioregions

**u20:** Kurrajong – Bursaria spinosa – Themeda australis shrub-grass mid-high open woodland on limestone karsts in the Wee Jasper area

**u178:** Yellow Box ± Apple Box tall grassy woodland of the South Eastern Highlands bioregion

**Class: Tableland Clay Grassy Woodlands**

**p220:** Ribbon Gum – Snow Gum tableland flats tall grassy woodland primarily on granitoids in the Kybean – Gourock and Monaro subregions of the South Eastern Highlands bioregion

**p520:** Ribbon Gum very tall woodland on alluvial soils along drainage lines of the eastern South Eastern Highlands bioregion

**u78:** Snow Gum grassy mid-high woodland of the South Eastern Highlands bioregion

**GRASSLANDS**

**Class: Temperate Montane Grasslands**

**r1:** Sub-montane moist tussock grassland of the South Eastern Highlands bioregion

**r2:** Poa labillardierei – Themeda australis – Juncus sp. wet tussock grassland of footslopes, drainage lines and flats of the South Eastern Highlands bioregion

**r3:** Rytidosperma sp. – Themeda australis – Juncus sp. tussock grassland of occasionally wet sites of the South Eastern Highlands bioregion

**r4:** Lacustrine Grass-forbland of the South Eastern Highlands bioregion

**r5:** Rytidosperma sp. – Austrostipa bigeniculata – Chrysocephalum apiculatum tussock grassland of the South Eastern Highlands bioregion

**r6:** Dry tussock grassland of the Monaro in the South Eastern Highlands bioregion

**r7:** Themeda australis – Rytidosperma sp. – Poa sieberiana moist tussock grassland of the South Eastern Highlands bioregion

**r8:** Themeda australis – Lomandra filiformis – Aristida ramosa dry tussock grassland in the South Eastern Highlands bioregion

**Table 7: Relationships between plant communities described in this study and Threatened Ecological Communities under Commonwealth, NSW and ACT legislation.**

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| **Threatened Ecological Community** | **Legislation** | **Plant community** |
| Alpine Sphagnum Bogs and Associated Fens | EPBC Act 1999 | a2, a8 |
| Montane Peatlands and Swamps of the New England Tableland NSW North Coast, Sydney Basin, South East Corner, South Eastern Highlands and Australian Alps bioregions | TSC Act 1995 | a2, a7, a8, e59, u193 |
| Natural Temperate Grassland | NC Act 1980 | r1, r2, r3, r5, r7, r8 |
| Natural Temperate Grassland of the Southern Tablelands of NSW and the Australian Capital Territory | EPBC Act 1999 | r1, r2, r3, r4, r5, r6, r6, r8 |
| Tablelands Snow Gum, Black Sallee, Candlebark and Ribbon Gum Grassy Woodland in the South Eastern Highlands, Sydney Basin, South East Corner and NSW South Western Slopes bioregions | TSC Act 1995 | u27, u118, p220, p520, u78 (all); e24, m31, u21, u22, u23, u28 (may contain) |
| Upland Wetlands of the New England Tablelands and the Monaro Plateau | EPBC Act 1999 | L12, L3, L4 |
| White Box Yellow Box Blakely’s Red Gum Woodland | TSC Act 1995 | p24, u19, u178 (all); p23, u20 (may contain) |
| White Box Yellow Box Blakely’s Red Gum Grassy Woodland and Derived Native Grassland | EPBC Act 1999 | p24, u19, u178 (all); p23, u20 (may contain) |
| Yellow Box/Red Gum Grassy Woodland | NC Act 1980 | r178, u19 |