VEGETATION SURVEY AND MAPPING (STAGE 1)

NSW WESTERN REGIONAL ASSESSMENTS

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Brigalow Belt South

Resource and Conservation Assessment Council

VEGETATION SURVEY AND MAPPING STAGE 1 REPORT

WESTERN REGION

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PROJECT SUMMARY

This report has been prepared for the Resource and Conservation Assessment Council (RACAC) as part of the preliminary (Stage 1) Western Regional Assessment of the Brigalow Belt South bioregion. The Western Regional Assessments are to be carried out across the Western and Central Divisions of NSW with the Brigalow Belt South bioregion being the first. The assessments will provide scientific information on which to base Forest Agreements, as well as providing information for the use of other regional planning organisations such as Regional Vegetation Management Committees and Catchment Management Boards.

Due to the short time available to undertake these preliminary (Stage 1) projects, this report must only be considered a brief summary of the results of initial surveys and analyses. This report can provide precautionary recommendations subject to further detailed assessment. A comprehensive (Stage 2) assessment will be undertaken to verify this preliminary assessment.

Project objectives

The project had three major objectives:

- to provide a GIS based vegetation map at 1:50 000 scale of State Forests, National Parks estate and crown land within or directly adjacent to the Brigalow Belt South bioregion (south of Narrabri), suitable for use in conservation and resource assessment, planning and management; and,
- to collect plot-based floristic data which will underpin the mapping data and enable floristic comparisons to be made both within and between forest areas; and,
- to provide a basis for the development of conservation and resource strategies including assisting in; the identification of conservation values, the identification of a Comprehensive, Adequate and Representative Protected Area Network (see the NSW Biodiversity Strategy 1999) and developing conservation criteria, targets and protocols.

Methods

Existing mapping data were assessed for suitability in meeting the project objectives, by examining the floristic attributes, the age of the mapping and the mapping methodology. New mapping was conducted in some areas that were previously unmapped, or over some areas that required updating and/or upgrading. New mapping was facilitated with aerial photograph interpretation using aerial photographs at the most detailed scales available (1:25 000 or 1:50 000). Polygons were attributed according to a mapping pathway protocol which included an index of reliability, floristic type and special features attributes.

Existing floristic sampling data were collected and an analysis was undertaken regarding the adequacy of the data. New floristic sampling was undertaken in some areas where no previous floristic sampling had been undertaken, or within some areas that had been undersampled. Sample sites were selected using stratified random sampling with sampling intensity being restricted to one plot per 1 000 hectares. Full floristic data, with an estimate of cover/abundance of vascular plants were collected at each standard 0.1 hectare plot. Plant community structure data and biophysical features data, were also collected at each plot.

Key results and products

A diverse range of plant species and vegetation communities occur within the Brigalow Belt South Bioregion with over 1 850 native plant species recorded in the current project, including 16 Threatened species and 17 Protected species. Plot data collected from each area surveyed within the Bioregion contained species that were unique to the dataset of each area. The large forest areas of the Pilliga and Goonoo State Forests were found to have low weed levels when compared to surveys conducted across other broad areas.

Vegetation overstorey types of Poplar Box/Pilliga Box (which occur within west Pilliga) and Blue-leaved ironbark (which occur within Goonoo, Lincoln, Eura and Breelong State Forests) were found to be poorly represented in existing National Parks and Nature Reserves. The Rare, threatened or highly cleared and modified vegetation overstorey types; containing, Ooline, Semi-evergreen Vine thicket, Carbeen, Plains Grass, Green Mallee, White Mallee, Brigalow, Yellow Box, Fuzzy Box and River Red Gum were also found to have low levels of reservation.

BACKGROUND

1.1 WESTERN REGIONAL ASSESSMENTS

Western Regional Assessments are being carried out across the Western and Central Divisions of New South Wales with the Brigalow Belt South Bioregion being the first to be assessed. The Resource and Conservation Assessment Council (RACAC) of the Department of Urban Affairs and Planning is coordinating the assessments. The National Parks and Wildlife Service, Department of Mineral Resources, Department of Land and Water Conservation, State Forests of New South Wales and the Department of Urban Affairs and Planning are carrying out assessments in consultation with the local Aboriginal Communities and other stakeholders.

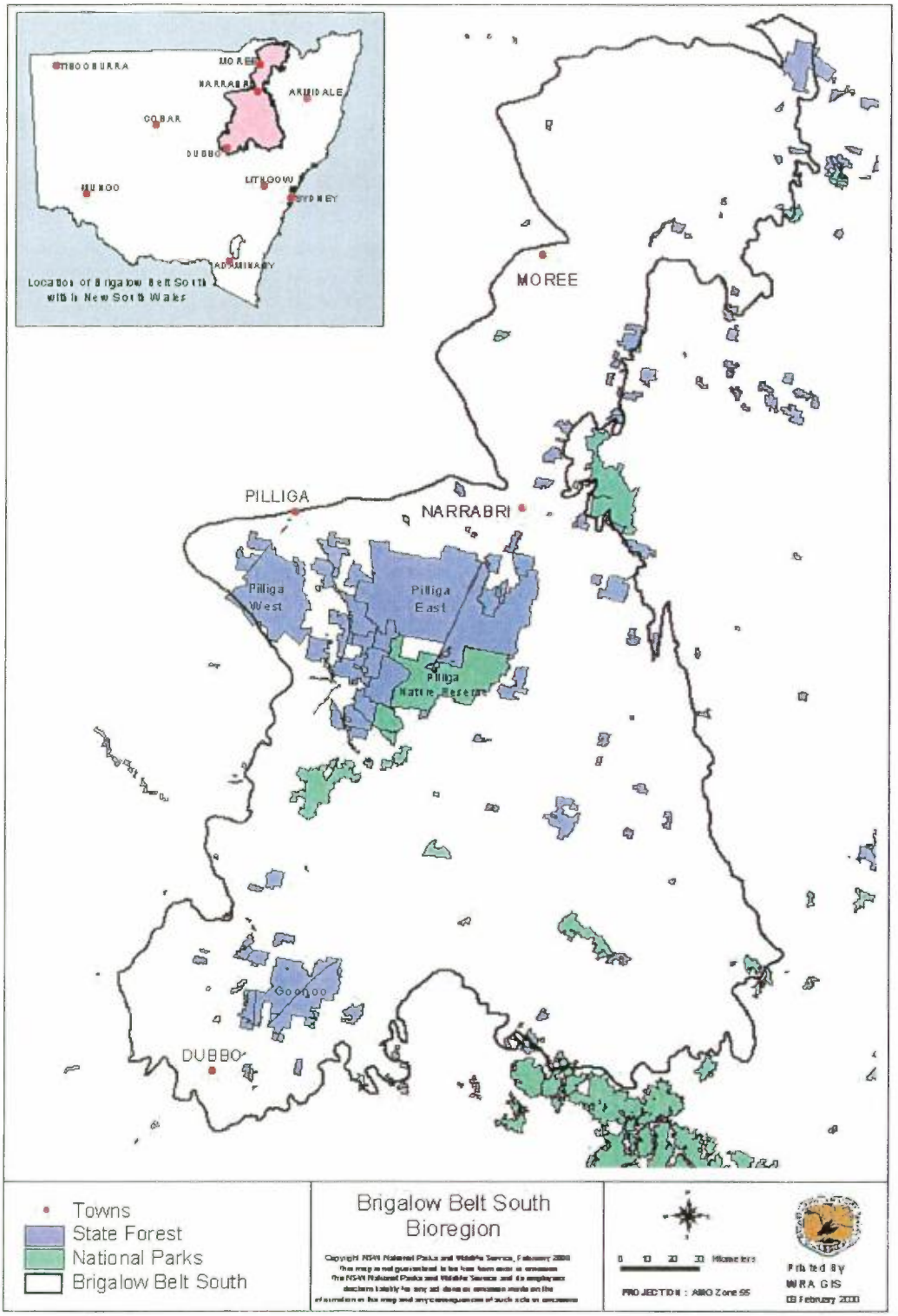
The assessments will provide scientific, social and economic information on which to base Forest Agreements, as well as providing information for the use of other regional planning organisations such as Regional Vegetation Management Committees, Catchment Management Boards, River Management Committees, Groundwater Management Committees and Government Agencies.

1.2 BRIGALOW BELT SOUTH BIOREGION

The area assessed during the first stage assessment was the NSW portion of the Brigalow Belt South Bioregion, south of Narrabri. (See figure 1). The following is a description of the natural heritage characteristics of the Brigalow Belt South Bioregion from Thackway and Cresswell (1995).
"Predominantly Jurassic and younger deposits of the great Artesian basin (such as the Pilliga area) and tertiary deposits with elevated basalt flows (such as Coolah Tops and Warrumbungle Range). Subhumid. Eucalyptus woodlands and open forests of ironbarks, poplar box, spotted gum (*Eucalyptus maculata*), cypress pine (*Callitris glaucophylla*), Bloodwoods (eg. *E. trachyphloia, E. hendersonii* ms), brigalow-belah forests (*Acacia harpophylla, Casuarina cristata*) and semi-evergreen vine thicket."

A more detailed description of the bioregion can be found in the accompanying report, Preliminary Overview of The Brigalow Belt South Bioregion (Stage 1), NSW National Parks and Wildlife Service 2000.

FIGURE 1. BIOREGIONAL CONTEXT MAP



1.3 OBJECTIVES OF THE VEGETATION SURVEY AND MAPPING PROJECT

This project had three major objectives. The first objective was to provide a GIS based map at 1:50 000 scale detailing the vegetation types within State Forests, National Parks and Wildlife Service (NPWS) estate and major areas of crown land within or directly adjacent to the Brigalow Belt South Bioregion south of Narrabri. Appendix 1 details the State Forest and National Parks and Wildlife Service estate within the Brigalow Belt South Bioregion.

The second objective was to assess aspects of the status of the vegetation, by collecting floristic information within these areas. This was done by undertaking plot-based floristic sampling where an estimate of the cover/abundance of every vascular plant occurring in specified plots was assessed. These data underpin the vegetation mapping and enable floristic comparisons to be made both within and between forested areas. The floristic data also enable comparisons to be made with existing datasets throughout the Bioregion.

The status of a vegetation community can be determined by considering the following; the number of threatened plants and animals present, the amount of fauna habitat available, the cultural heritage values (both Aboriginal and post European settlement), the amount cleared, the amount and extent and type of degradation within a community (including weeds), the amount reserved (including Comprehensiveness, Adequacy and Representativeness (CAR) Reserve principles), the plant community's distribution (both extant and pre-clearing), and threats to the community. Economic and intrinsic values such as timber supply, apiary, biodiversity, ecosystem function and agricultural values and the dynamics over time of a community should also be considered.

The third objective was to provide a basis for the development of conservation and resource strategies including; the identification of conservation values, the identification of a Comprehensive, Adequate and Representative Protected Area Network and the development of conservation criteria, targets and protocols. An assessment of the distribution and reservation status of vegetation types occurring within State Forests and National Parks and Wildlife Service estate can aid in the development of conservation targets and conservation protocols.

1.4 ECOLOGICALLY SUSTAINABLE MANAGEMENT

Knowledge of the composition and distribution of vegetation communities is a vital component in developing ecologically sustainable management practices across all tenures and for all management types including agriculture, timber harvesting and conservation.. Knowledge of vegetation communities is best achieved by plot based sampling (using quadrats) and vegetation mapping using aerial photograph interpretation with extensive ground truthing (see section 2.1 which indicates mapping projects undertaken using these methods). These methods enable the gathering of data that can be used to produce vegetation maps at 1:50 000 scale.

1.5 PLOT BASED SAMPLING

Contemporary vegetation surveys typically include the systematic gathering of floristic information via plot based sampling across the landscape (see section 2.1). Plots are located within different environmental units across the landscape in order to try and maximise the amount of environmental variation sampled. The floristic information gathered at each plot is collected in a repeatable systematic fashion so that the plots can be readily compared.

The data gathered from plot-based sampling are useful in the following ways;

- comparisons of floristic composition can be made both within and between vegetation communities
- floristic diversity of an area can be assessed
- abundance and distribution of each species (including threatened species and weeds) can be measured
- a measure of plant rarity can be assessed

- the vegetation type at a location can be related to the environmental conditions occurring at the site
- physiographic data collected at a plot can be used to model the distribution of species and link particular species with landscape position, data which can be used for predicting the occurrence of threatened species and plants of aboriginal cultural significance
- analysis of plot data can be used to help define vegetation communities
- analysis of plot data can also be used to aid in determining seral stages of vegetation units after disturbance
- the data can be used to aid and underpin the vegetation mapping process
- associations between significant species and vegetation communities can be determined, and,
- repeated observations at a plot can be used to examine trends in vegetation development or condition over time.

The above points demonstrate the inextricable link between plot based sampling and the development of a vegetation map and vegetation community profiles.

1.6 VEGETATION MAPPING

A vegetation map is a particularly useful tool for the natural resource manager and planner. A vegetation map can be used to;

- determine and assess the distribution, abundance and variety of vegetation communities across the landscape
- aid in developing planning strategies for conservation management, wildlife corridor assessment, timber harvesting and fire management
- identify sensitive areas such as significant vegetation communities, threatened species and Aboriginal cultural sites and areas.

The development of 1:50 000 scale vegetation mapping across State Forests and National Parks estate within this project area was undertaken using aerial photograph interpretation along with at least equal the amount of time devoted to ground truthing.

VEGETATION SURVEY (FLORISTIC PLOTS)

2.1 EXISTING PLOT DATA

Coverage and Statistics

A range of plot based vegetation surveys have been carried out within or overlapping the bioregion, using a variety of methods. Table 1 details the areas, sampling intensity and type of surveys carried out. Figure 2 details the locations of the surveys.

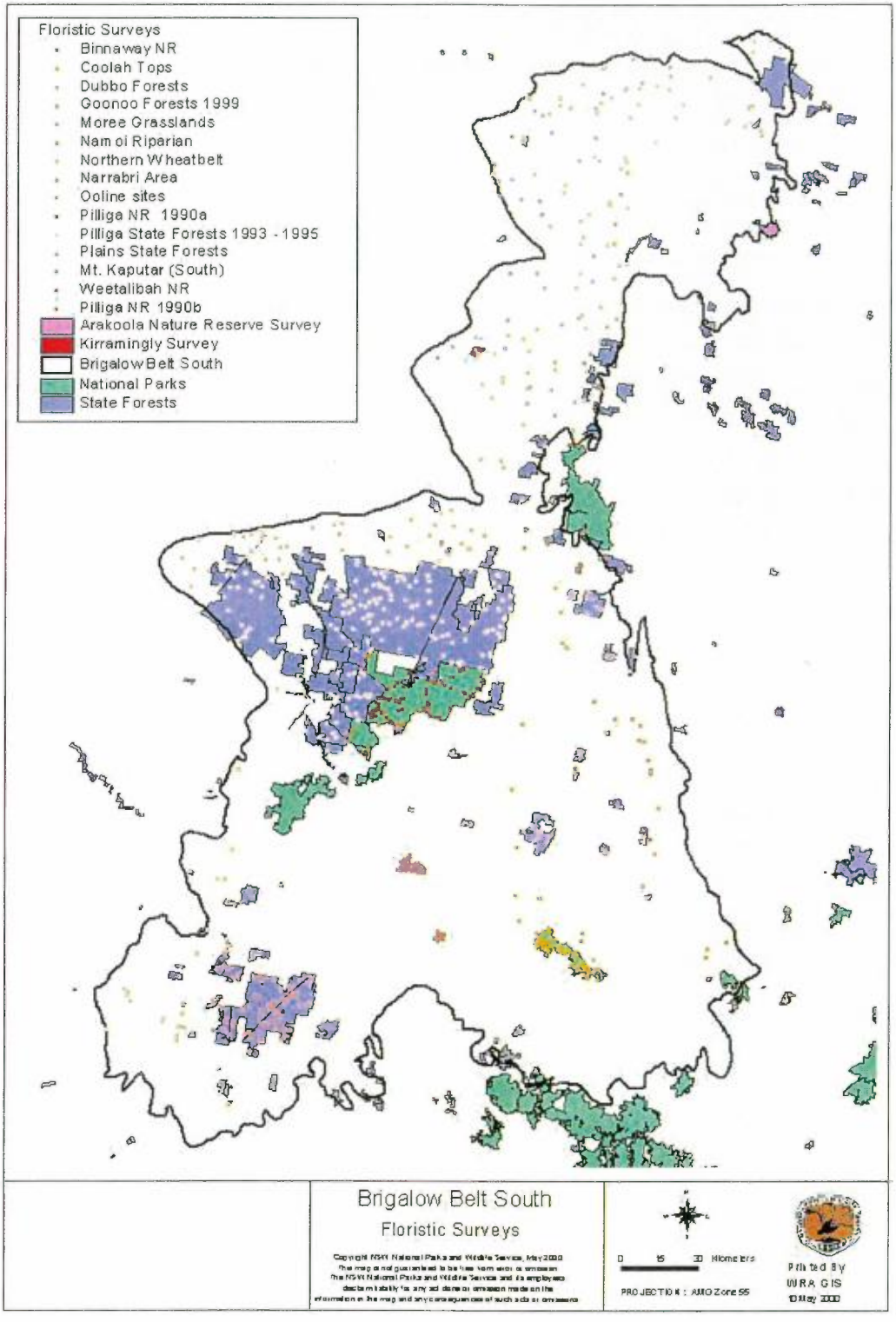
TABLE 1. PLOT BASED VEGETATION SURVEYS UNDERTAKEN WITHIN OR OVERLAPPING THE BRIGALOW BELT SOUTH BIOREGION

Location	Survey dates	Plots in Bioregion	Sampling Intensity (hectares per plot)	Plot size	Reference
Pilliga NR [a]	1989-90	96	818	20m x 20m	NPWS Unpublished
Pilliga NR [a]	1990	50	1500	20m x 20m	NPWS Unpublished
Pilliga SFs	1993-95	180	2157	20m x 50m	State Forests Unpublished
Coolah Tops	1994	50	260	20m x 50m	Binns 1997
Mt Kaputar south	1998	4(50) [c]	260	20m x 20m	Porteners 1998(b)
Binnaway NR	1997	30	123	20m x 20m	Porteners 1998(a)
Weetalibah NR	1997	16	38	20m x 20m	Porteners 1998(c)
Dapper NR	1998	10	100	20m x 20m	Lembit and Skelton 1988
Kirramingly	1998	22	68	1012m^2	Clarke, et al. 1998
Ooline	1988	21(32) [c]	N/A	20m x 20m	Benson 1988
Namoi Riparian Zone	1995-96	36(46) [c]	N/A	500 x 20-30m	DLWC Unpublished
Towarri NP	1999	22	114	20m x 20m	NPWS Unpublished
Moree Grasslands	1999	48(200) [c]	N/A	20m x 20m	Hunter and Earl In Press
Northern Wheatbelt	1986-94	177(958) [c]	N/A	20m x 20m	NPWS Unpublished
Southern Wheatbelt [b]	1995	0(290) [c]	N/A	20m x 20m	Sivertsen and Metcalfe 1995
Arakoola NR	1999	50	63	20m x 20m	Hunter In Press
	Total plots in bioregion	1296			

Notes: (a) = Incomplete survey, (b) = Used for comparisons only, (c) = survey overlapped bioregion with bracketed data indicating total number of plots in survey, NR = Nature Reserve, SFs = State Forests, N/A = data not available

Apart from systematic surveys, a literature search and consultation with natural resource managers within the bioregion have indicated that there are no plot-based surveys being used for monitoring long-term changes and trends in vegetation within National Parks and Wildlife Service estate, State Forests or Crown land.

FIGURE 2. LOCATIONS OF EXISTING PLOT-BASED SURVEYS IN THE BIOREGION.



2.2 METHODS

Most State Forests and some National Parks and Wildlife Service estate south of Narrabri occurring within the Brigalow Belt South Bioregion were sampled. On average, the sampling intensity was approximately one plot per 1 000 hectares (see Appendix 2) and various methods were used to stratify the location of plots. Plots consisted of 20 metre by 50 metre quadrats.

The floristic surveys were divided into planning areas. Initial target areas were the Pilliga forest areas (including Pilliga Nature Reserve and Rocky Glen Vacant Crown Land), and Goonoo State Forest areas (including Breelong, Lincoln and Eura State Forests). Subsequently, the Narrabri Forest areas, Dubbo Forest areas and Plains State Forests were also sampled. (See Appendix 1 for Forest allocation according to planning area). Table 2 indicates the number of plots conducted per survey.

Table 2. Planning areas surveyed and number of plots completed.

Planning Area	Number of plots	Coverage (ha)
Goonoo Area	70	71 411
Dubbo Area	37	27 289
Narrabri Area	16	10 718
Pilliga State Forest Area	216	394 983
Pilliga Nature Reserve Area	89	83 887
Plains Area	46	32 227
Total	474	620 516

2.2.1. Stratification

The method of stratification varied according to planning area as the type of base information varied between areas.

Pilliga Forest's planning area.

- Stratification within Pilliga State Forest was based on the vegetation map of forest types defined by Lindsay (1967). These types were mapped over most (about 70%) of the forest area during 1945-1951, with the remainder mapped during 1986. A relatively small area (about 11 000 hectares in scattered patches) was not allocated to a forest type. Sample stratification used the 141 types mapped for the forest. A sample strategy was defined based on allocating a minimum number of plots according to the area of each forest type, as follows: 1 plot for types occupying <100 ha, 2 plots for 101-500 ha, 3 plots for 501-3000 ha and 1 plot per 1000 ha (rounded up to the next thousand) for types of >3000 ha. Where existing plot data (from NSW State Forests survey in 1993-1995,) for a type fully met the requirement under this strategy, no further sampling was conducted in that type. Where the strategy was partly met, additional plots were located to meet the required minimum. Since resources were not sufficient to fully implement this strategy in phase 1, priority was given to types not previously sampled and to types which were expected to be floristically relatively distinct. Lower priority was given to areas mapped as untyped, except where field inspection suggested that a patch may represent a vegetation type which was otherwise not sampled, or poorly sampled.

- Stratification within Pilliga Nature Reserve and Rocky Glen vacant crown land occurred at two levels. Firstly, stratified random sampling was used to select 75 plots according to position in the landscape as determined from topographic maps. Secondly, a further 14 plots were selected within the 3 southern Nature Reserve blocks and Rocky Glen Vacant Crown Land by randomly selecting locations within a selection of the broad scale vegetation units defined by Whitehead (1999). The number of plots were determined by sampling at approximately 1 plot per 1 000 hectares.

Goonoo planning area.

- Stratification within Coolbaggie Nature Reserve and Goonoo, Eura, Breelong and Lincoln State Forests was based upon stratified random sampling, with stratification based upon the 5 broad scale map units of Biddiscombe (1963). The numbers of plots within each map unit were in proportion to the amount of each map unit within the forests. The locations of the plots were determined at two levels. Three Biddiscombe (1963) vegetation units, Mallee, Western Grey Box and Pilliga Box occupied very small areas and plots were located randomly within these units. The location of plots within the Blue-leaved Ironbark and Narrow leaved Ironbark map units were selected at random from the set of 2 kilometres by 2 kilometres map grids which covered the forest. Within each selected 2 kilometres by 2 kilometres map grid, a random east/north coordinate for the actual location of the plot was selected.

Dubbo and Narrabri Forest planning areas

- Stratification within these forests was based upon stratified random sampling using landscape position on topographic maps.

Plains Forests planning area

- Plots were allocated to each separate forest based on the area of the forest, at a minimum of one plot per thousand hectares, rounded up to the nearest thousand (eg. forests of less than 1000 ha were allocated at least one plot, and Leard SF of 8200 ha was allocated 9 plots). Where no map of Lindsay (1967) forest types was available (some of the smaller forests), plots were located randomly within the forest. Where forest types had been mapped, plots were located randomly within each map unit. Not all map units were sampled in each forest, with priority given to the most extensive units and those which were most likely to be floristically distinct based on overstorey composition.

2.2.2. Data collection

Floristics, vegetation structure and site attribute data were collected at each plot.

Floristic data.

Floristic data were collected at each plot to record all vascular plant species occurring within a 20 metre by 50 metre rectangular quadrat. A cover score was assigned to each plant species. Cover was estimated by assigning a 1-6 scale modified Braun-Blanquet cover score to each plant species occurrence. The cover scale used was 1= <5% cover, few individuals; 2 = <5% cover, many individuals; 3 = 5-25% cover; 4 = 26-50% cover; 5 = 51-75% cover and 6 = 76-100% cover. Where the plot was located within vegetation with a linear distribution, such as in some riparian situations, the quadrat dimensions were modified to 10 metres by 100 metres. Plants occurring within the initial 20 metres by 20 metres portion of the quadrat were recorded then any additional plants occurring within the remaining 20 metres by 30 metres were recorded. The cover/abundance score assigned to each species, related to the entire 20 metres by 50 metres quadrat. This methodology is consistent with that used by Binns (1997) and the previous 150 plots sampled within the Pilliga Forests (Appendix 3 is the proforma used for the surveys).

Structural and site data.

The structure of the vegetation at each plot was recorded by noting the dominant species within each stratum and estimating the percent canopy cover of each species. Site attribute data collected included the map grid reference, landscape features including slope and aspect, horizon azimuth and soil type. Appendices 4-6 detail the vegetation structure recording sheet, site feature recording sheet and coding explanation sheet respectively.

Opportunistic flora records.

Opportunistic sightings of significant plants were also recorded. The recording sheet is detailed in Appendix 6.

Botanists

Eight botanists collected floristic data across the bioregion. Data were collected between November 1999 and February 2000. Table 3 indicates botanists, number of plots sampled, and area of survey.

TABLE 3. BOTANISTS ENGAGED TO UNDERTAKE THE FLORISTIC SAMPLING, THE NUMBER OF PLOTS SURVEYED IN EACH SURVEY AND THE AREAS OF SURVEY.

Botanist	Plots surveyed	Planning area*
Eric Whiting	70	Goonoo Forests
Eric Whiting	36	Dubbo Forests
Doug Binns	1	Dubbo Forests
Doug Binns	40	Pilliga State Forests
Doug Binns	35	Pilliga Nature Reserve
Doug Binns	46	Plains Forests
Matt White and Geoff Carr (Ecology Australia)	176	Pilliga State Forests
Rob McCosker (Landmax)	16	Narrabri Forests
Jon Alexander, Julie Read and John Hunter (JT Hunter Pty Ltd)	54	Pilliga Nature Reserve and Rocky Glen VCL
Total	474	

*See Appendix 1 for listing of State Forest and National Parks estate within each planning area.

Plant Specimens

Botanists were required to collect plant specimens of the dominant plants and plants of significance, such as Threatened species, or plants of taxonomic uncertainty. Plant specimens will be deposited in recognised herbaria.

Data storage and retrieval

Data from new and existing plots were loaded manually into a Microsoft Access® database written as part of the project, to accept both floristic and structural data of plot based vegetation surveys. Existing plot data (see Table 1) of Pilliga NR, Pilliga SFs, Weetalibah NR, Binnaway NR, Ooline areas, Moree Grasslands, Namoi Riparian Zone, and Northern Wheatbelt were also loaded to provide comparative data.

2.3 DATA ANALYSIS

Species lists and the lists of the frequency of each species were generated for each planning area and previous survey areas, except Kirramingly and Dapper Nature Reserve as the data were not available at the time. The total number of plots analysed for the bioregion was 1 264 (see Appendix 8). The species lists generated were checked for any unusual plant occurrences or significant records and such observations were referred to the botanists who collected the data for verification and compared with plant specimens collected. Numbers and species of both native and introduced species were obtained (all plot data were used for this analysis, a total of 2 554 plots). Threatened species, Rare Or Threatened Australian Plants (ROTAP) species (Briggs and Leigh 1996), protected species, significant

plants and species unique to each survey and planning area were determined from the plots within the bioregion.

A comparison of a subset of the new plot data collected was made with an existing species list recorded by Biddiscombe (1963) in his Vegetation Survey of the Macquarie Region. Floristic records from plots that occurred within the area mapped by Biddiscombe were compared with the plant species lists he generated in his survey. The plots were restricted to Goonoo, Lincoln, Breelong, Eura, Boyben, Balladoran, Drillwarrina, Eumungerie and Mogriguy State Forests and Coolbaggie Nature Reserve. Species comparisons were confined to the following plant associations that Biddiscombe (1963) recognised; *Eucalyptus crebra - Callitris hugelii* (=*endlicheri*) (Narrow-leaved Ironbark - Black Cypress Pine), *E. nubilis* (=*nubila*) - *E. dealbata* (Blue-leaved Ironbark - Tumbledown Gum), *E. dealbata - E. sideroxylon* (Tumbledown Gum - Mugga Ironbark), *E. dumosa* (White Mallee) and *E. viridis* (Green Mallee).

2.4 RESULTS

Species richness and frequency

There is a diverse range of both vegetation types and plant taxa within the bioregion, attributed to the wide geographical extent of the area and the large variation in topography, climate, geology and land use history. Vegetation types range from the *Austrostipa* (Plainsgrass) grasslands of the Liverpool Plains, to the Ironbark-Cypress Pine woodlands of the Pilliga and the temperate rainforests of the eastern Liverpool Range in Towarri National Park and Cedar Brush Nature Reserve. The flora of the bioregion comprises species of coastal and western affinities. The rainforest flora of the eastern Liverpool Range includes coastal species such as *Acmena smithii* (Lily Pilly), *Pennantia cunninghamii* (Brown Beech) and *Tasmannia stipitata* (Pepper Bush) while the areas in west Pilliga contain plants such as *Eremophila longifolia* and *Eremophila deserti* (Emu Bushes) and chenopods such as *Sclerolaena diacantha* and *Sclerolaena stelligera* (copperburrs) which are more typical semi-arid flora species.

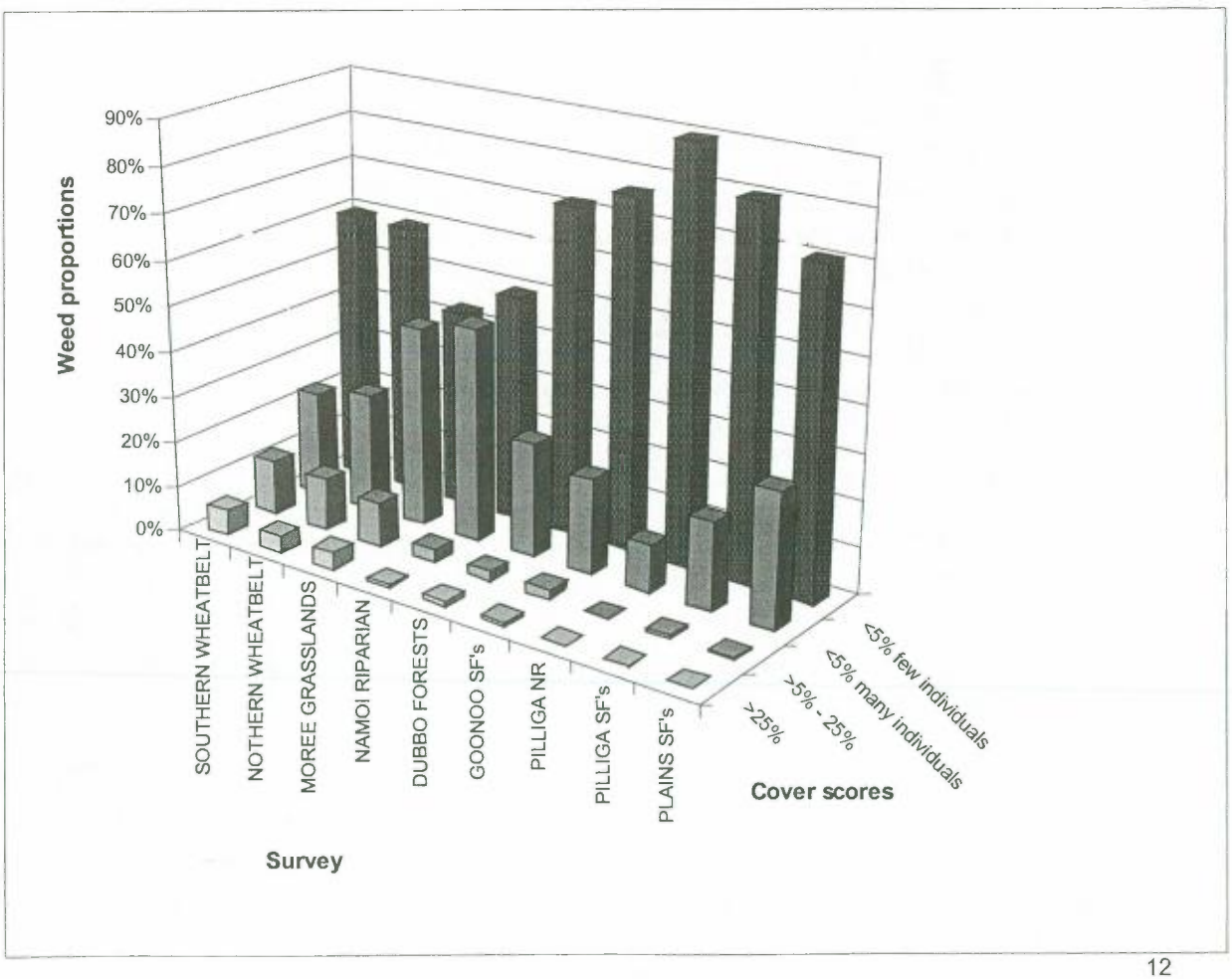
A total of 1 850 taxa, 1 569 (85%) native species and 281 (15%) introduced taxa were recorded from the current surveys and existing plot data within the bioregion. (See Appendix 7). The number of native and introduced taxa recorded within each survey (both existing and new plots) are shown in Table 4. Data from the surveys conducted in Pilliga State Forest area were combined as were those from the surveys in the Pilliga Nature Reserve.

The data regarding the proportion of native and introduced species (Table 4), generally reveals low weed proportions of weeds within the conserved areas (eg, Binnaway NR - 0.7%, Pilliga NR – 10.1% , Coolah Tops – 10.1%) and Pilliga State Forest areas (9.1%) when compared to areas where sampling occurred mainly outside larger remnants such as Southern Wheatbelt, Namoi Riparian and Moree Grasslands, 19.4%, 35.3% and 21.2% (weed species proportions) respectively. The weed diversity of Goonoo Forests, Dubbo Area and the Northern Wheatbelt appear comparable, however an examination of the abundance data reveals the Northern Wheatbelt has a much higher proportion of weeds when measured by abundance. Figure 3 indicates the weed records within the Northern and Southern Wheatbelts and the Moree grasslands, show a much higher proportion of weeds with higher cover scores when compared with the Goonoo Forests and Dubbo Area. Although the Goonoo Forests and Dubbo Area have similar weed proportions on a species basis, the weeds species present occur in very low numbers compared to the Northern Wheatbelt.

TABLE 4. THE NUMBER OF NATIVE AND INTRODUCED SPECIES WITHIN EACH SURVEY

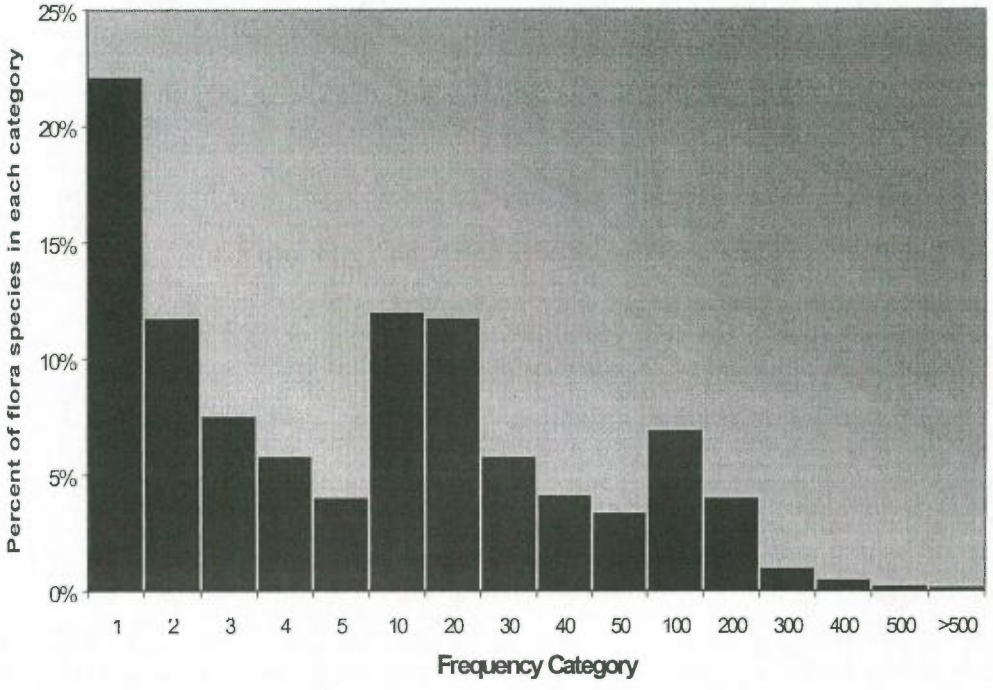
Survey	Natives	Introduced species	% introduced
Binnaway NR	134	1	0.7%
Coolah Tops	276	31	10.1%
Dubbo Area	252	37	12.8%
Goonoo Forests	241	35	12.7%
Moree Grasslands	328	88	21.2%
Namoi Riparian Zone	341	186	35.3%
Narrabri Area	137	19	12.2%
Northern Wheatbelt	784	104	11.7%
Ooline Survey	126	6	4.5%
Pilliga Nature Reserve	533	60	10.1%
Pilliga State Forests	802	80	9.1%
Plains Area	383	53	12.2%
Weetalibah NR	120	1	0.8%
Southern Wheatbelt	473	114	19.4%
Mt Kaputar South	223	10	4.3%
Arakoola Nature Reserve	321	82	20.3%
Towarri NP	161	21	11.5%

FIGURE 3 THE PROPORTION OF WEED SPECIES IN EACH SURVEY ACCORDING TO COVER SCORE CATEGORIES.



A summary of the frequency data is presented in Figure 4 which indicates that just over half (50.9%) of the species recorded occurred with a frequency of 5 or less, with 22% of species recorded only once in the 1 264 plots analysed.

FIGURE 4. PERCENT OF FLORA SPECIES ACCORDING TO FREQUENCY CATEGORY



The 20 most frequently occurring native plants are shown in Table 5. The 20 most frequently occurring introduced plants are shown in Table 6. *Callitris glaucophylla* (White Cypress Pine), *Callitris endlicheri* (Black Cypress Pine) and *Eucalyptus crebra* (Narrow-leaved Ironbark) were the most frequently recorded native trees. The most common weeds (Table 6.) were all herbaceous plants or grasses, with the Daisy (Asteraceae) family the most common. Seven of the eight most common weeds were daisies.

TABLE 5. THE TWENTY MOST FREQUENT NATIVE PLANTS WITHIN PLOTS

Family	Scientific Name	Frequency
Cupressaceae	*Callitris glaucophylla*	524
Adiantaceae	*Cheilanthes sieberi* ssp *sieberi*	508
Lomandraceae	*Lomandra multiflora* ssp *multiflora*	497
Epacridaceae	*Melichrus urceolatus*	460
Dilleniaceae	*Hibbertia obtusifolia*	404
Asteraceae	*Cassinia arcuata*	397
Cupressaceae	*Callitris endlicheri*	396
Myrtaceae	*Eucalyptus crebra*	386
Myrtaceae	*Calytrix tetragona*	363
Rubiaceae	*Pomax umbellata*	353
Lomandraceae	*Lomandra filiformis*	347
Epacridaceae	*Brachyloma daphnoides*	334
Asteraceae	*Calotis cuneifolia*	318
Phormiaceae	*Dianella revoluta*	289
Proteaceae	*Persoonia sericea*	286
Asteraceae	*Chrysocephalum apiculatum*	279
Cyperaceae	*Gahnia aspera*	278
Casuarinaceae	*Allocasuarina luehmannii*	269
Poaceae	*Austrostipa scabra* subsp *scabra*	266
Poaceae	*Digitaria breviglumis*	242

TABLE 6. THE TWENTY MOST FREQUENT WEEDS FOUND WITHIN PLOTS

Family	Scientific Name	Frequency
Asteraceae	*Hypochaeris glabra*	264
Asteraceae	*Hypochaeris radicata*	227
Asteraceae	*Sonchus oleraceus*	196
Cactaceae	*Opuntia stricta*	167
Asteraceae	*Conyza albida*	135
Asteraceae	*Conyza bonariensis*	127
Asteraceae	*Cirsium vulgare*	116
Asteraceae	*Chondrilla juncea*	92
Primulaceae	*Anagallis arvensis*	75
Brassicaceae	*Rapistrum rugosum*	54
Fabaceae (Faboideae)	*Medicago polymorpha*	52
Asteraceae	*Lactuca serriola*	49
Apiaceae	*Ciclospermum leptophyllum*	48
Cactaceae	*Opuntia stricta var stricta*	46
Caryophyllaceae	*Petrorhagia nanteuilii*	44
Asteraceae	*Taraxacum officinale*	43
Caryophyllaceae	*Polycarpon tetraphyllum*	38
Verbenaceae	*Verbena bonariensis*	38
Poaceae	*Hyparrhenia hirta*	37
Poaceae	*Bromus catharticus*	36

Uniqueness

The data sets for each study area had a unique suite of flora, as shown by the information presented in Table 7. For example, the Goonoo dataset (Goonoo, Lincoln, Breelong and Eura State Forests) shows 26 species were unique to this area, with 3 of these species being weeds. The Pilliga Area (Pilliga State Forests and Pilliga Nature Reserve combined) had the largest number of unique species with 291 species, 21 of which were weeds.

TABLE 7. THE NUMBER OF PLANT SPECIES UNIQUE TO EACH DATASET INDICATING THE NUMBER OF NATIVE AND WEED SPECIES.

Survey	Total	Natives	Weeds
Binnaway NR	3	3	0
Coolah Tops	90	85	5
Dubbo Area	19	16	3
Goonoo Forests	26	23	3
Moree Grasslands	40	33	7
Namoi Riparian Zone	110	46	64
Narrabri Area	7	7	0
Northern Wheatbelt	97	88	9
Ooline Survey	9	9	0
Pilliga Nature Reserve	63	56	7
Pilliga State Forests	118	108	10
Plains Area	20	18	2
Weetalibah NR	6	6	0
Mt Kaputar NP South	7	6	1
Towarri NP	62	59	3
Arakoola NR	69	50	19
Pilliga Area	290	269	21

Threatened and other significant plant species

A total of 586 records of Protected, Threatened or ROTAP (Briggs and Leigh 1996) plants were recorded within plots. Six Endangered and 10 Vulnerable plants (Threatened Species Conservation Act 1995), 17 protected plants (National Parks and Wildlife Act) and 13 non-threatened ROTAP plants were recorded within plots and are shown in Table 8.

Many plants occur at their geographic and ecological limits within the bioregion. An example of this is *Eucalyptus dumosa* (White Mallee) where two disjunct populations occur, one in Coolbaggie Nature Reserve and Goonoo State Forest the other in Pilliga State Forests.

TABLE 8. THREATENED, RARE OR THREATENED AUSTRALIAN PLANTS (ROTAP) AND PROTECTED PLANTS FOUND WITHIN PLOTS

Family	Scientific name	Status*	ROTAP	Total number of records
Adiantaceae	*Adiantum aethiopicum*	P13		21
Adiantaceae	*Adiantum formosum*	P13		6
Apiaceae	*Actinotus helianthi*	P13		87
Asteraceae	*Brachyscome gracilis*	U	3RCa	1
Asteraceae	*Ozothamnus adnatus*	U	3KC-	1
Brassicaceae	*Lepidium hyssopifolium*	E1	3ECi	2
Brassicaceae	*Lepidium monoplocoides*	E1	3ECi	2
Casuarinaceae	*Casuarina cunninghamiana* ssp *cunninghamiana*	P13		33
Cyatheaceae	*Cyathea australis*	P13		2
Cyperaceae	*Cyperus conicus*	E1		1
Cyperaceae	*Eleocharis blakeana*	U	3RC-	1
Euphorbiaceae	*Bertya* sp. A Coolabah-Cobar	V		2
Euphorbiaceae	*Monotaxis macrophylla*	E1		1
Euphorbiaceae	*Pseudanthus divaricatissimus*	U	3RCa	2
Fabaceae (Faboideae)	*Swainsona murrayana*	V	3VCi	1
Goodeniaceae	*Goodenia macbarronii*	V	3VC-	31
Lomandraceae	*Lomandra patens*	U	3RCa	1
Orchidaceae	*Cymbidium canaliculatum*	P13		24
Orchidaceae	*Dipodium hamiltonianum*	P13		3
Orchidaceae	*Dipodium punctatum*	P13		3
Orchidaceae	*Dipodium roseum*	P13		4
Orchidaceae	*Diuris tricolor*	V	3K	2
Orchidaceae	*Pterostylis woollsii*	U	3RC-	1
Poaceae	*Bothriochloa biloba*	V	3V	10
Poaceae	*Dichanthium setosum*	V	3VC-	1
Poaceae	*Homopholis belsonii*	U	3R	6
Polygalaceae	*Polygala linariifolia*	E1		5
Proteaceae	*Persoonia cuspidifera*	U	3K	95
Proteaceae	*Persoonia terminalis*	U	2R	8
Proteaceae	*Xylomelum cunninghamianum*	P13		3

Proteaceae	*Xylomelum pyriforme*	P13		1
Rhamnaceae	*Discaria pubescens*	U	3RCa	1
Rhamnaceae	*Pomaderris queenslandica*	E1		2
Rutaceae	*Boronia anethifolia*	P13		3
Rutaceae	*Boronia bipinnata*	P13		36
Rutaceae	*Boronia glabra*	P13		131
Rutaceae	*Boronia ledifolia*	P13		3
Rutaceae	*Boronia microphylla*	P13		1
Rutaceae	*Boronia warrumbunglensis*	P13		3
Rutaceae	*Phebalium obcordatum*	U	3RCa	1
Rutaceae	*Philotheca ericifolia*	V		7
Santalaceae	*Thesium australe*	V	3VCi	2
Sapindaceae	*Dodonaea macrossanii*	U	3R	1
Scrophulariaceae	*Derwentia arenaria*	U	3RC-	6
Sterculiaceae	*Rulingia procumbens*	V	3V	5
Surianaceae	*Cadellia pentastylis*	V	3RCa	23

* Status codings: E1 = Endangered, V = Vulnerable, P13 = Protected, U = Unprotected 3 = distribution > 100 kilometres, 2 = distribution up to 100 kilometres, R = rare, C = conserved, - = conservation status unknown, a = adequately conserved, I = inadequately conserved, K = poorly known

Biddiscombe comparisons

Biddiscombe (1963) recorded 282 plant species in the 5 vegetation communities he recognised as occurring within the areas sampled in this survey. (see 1.9 above). One hundred and twelve plant species were recorded in the plots sampled in the current survey which fall within the area mapped by Biddiscombe (1963).

VEGETATION MAPPING

3.1 APPROACH

All available mapping data relating to the bioregion was collated and assessed to determine its suitability for use in a regional assessment. The assessment revealed that Goonoo, Lincoln, Eura and Breelong State Forests with Coolbaggie Nature Reserve, and also Pilliga Nature Reserve were priority areas for mapping. The remaining State Forests and National Parks estate areas were to be mapped if time and personnel were available.

The latest large-scale aerial photography available from The Land Information Centre (LIC) was used for aerial photograph interpretation. Experienced aerial photograph interpreters were engaged to map vegetation patterns to a set of guidelines developed for the project, with at least 50% of their time allocated to ground truthing. Polygons were coded according to a set of pre-determined codes which included a Eucalypt and related code, a Rainforest, Special features and eXclusions code (RSX code) and a reliability code. Mapping guidelines were used to guide polygon code determination and a set of mapping procedures were followed to develop the aerial photograph overlays.

The final product is a digital data set, captured by scanning the marked up aerial photograph overlays using digital topographic map images and a digital terrain model to ensure a data layer as spatially accurate as possible. Throughout the process, checking procedures were used to minimise errors.

3.2 METHODS

Existing mapping assessment

All existing hard copy mapping and digital data were collated for the National Parks estate and State Forest areas within the Bioregion south of Narrabri. Appendix 9 details the data available for the various areas. Staff from the Western Directorate National Parks and Wildlife Service and the Western Region of State Forests determined the priorities for mapping within the bioregion.

Aerial photography

The bioregion is covered by two scales of standard aerial photography which correspond to the largest scale of topographic maps available. Appendix 9 details the areas mapped. The aerial photographs were ordered to a specific colour balance in order to highlight the differences between Eucalypt species. The procedure in developing marked up overlays for scanning is detailed in Appendix 10.

Vegetation mappers

Vegetation mappers were engaged to undertake the mapping and data capture. Vegetation mappers and the data capture contractor are listed in table 9.

TABLE 9. DATA CAPTURE CONTRACTOR AND VEGETATION MAPPERS CONTRACTED TO DEVELOP THE MAPPING LAYERS

Contract	Contractor
Data capture	Pintech (Doncaster East, Victoria)
Aerial Photograph Interpretation	Nicki Tawes
Aerial Photograph Interpretation	Rob Streeter
Aerial Photograph Interpretation	Mark Fisher
Aerial Photograph Interpretation	Craig Harré
Aerial Photograph Interpretation	Bob Wilson

Polygon codes

The three types of polygon codes (Eucalypt and related; Rainforest, Special Features and Exclusions, and Reliability) used in the Aerial Photograph Interpretation were developed specifically for the western vegetation types. The full list of available polygon codes is detailed in Appendices 11, 12 and 13, respectively, with the API guidelines for assigning polygon codes detailed in Appendix 14. All three types of codes used, were assigned by the relevant aerial photograph interpreter.

Ground truthing

The aerial photograph interpreters undertook the ground truthing, with field assistance, which was roughly equivalent in time to the amount of office-based aerial photograph interpretation undertaken. The ground truthing was undertaken by traversing all accessible trails by vehicle and where necessary, such as in the Pilliga Nature Reserve, extensive amounts of walking was also undertaken.

Data capture

The polygon data and codes on the overlays were developed into a digital layer by scanning the overlays and were supplied as an Arc-Info coverage. Data was supplied in accordance with the specifications detailed in Appendix 15.

Data checking

Every polygon supplied in the digital layer from the data capture, was compared systematically with photocopies of the original overlays. Errors that were found included polygons untyped, missing codes and sometimes linework errors. The floristics of each forest were examined in order to detect possible floristic coding errors.

Final digital layer

The supplied ArcInfo coverage was converted to an ESRI Shapefile using ArcView 3.1 GIS Software. Minor corrections picked up in the data checking process above were carried out by Western Regional Assessment staff. The bulk of this process involved minor edits to species codes in the attribute table. The final polygon shapefile is called wra_api1.shp and resides on the Western Directorate Local Area Network. Metadata is attached (see Appendix 16).

Conservation Assessment

Areas mapped during the present study were combined with areas previously mapped using Lindsay (1967) map types (Pilliga State Forests and Kerringle SF) or other comparable standards (Binnaway and Weetalibah NRs) and all these map types were grouped into broader types based on dominant overstorey species (allocations shown in Appendix 17). The amount of each of these broad vegetation groups that occurs within reserved areas (National Parks and Nature Reserves) and non-reserved areas within State Forests were compiled.

3.3 RESULTS

Existing mapping assessment

Vegetation mapping underpinned with plot-based floristic sampling, has been undertaken only to a minor extent within the bioregion, prior to the current survey (See Table 11).

TABLE 11. VEGETATION MAPPING WITH PLOT-BASED SAMPLING WITHIN OR OVERLAPPING THE BIOREGION.

Location	Reference
Mt Kaputar National Park (south)	Porteners 1998(b)
Binnaway Nature Reserve	Porteners 1998(a)
Weetalibah Nature Reserve	Porteners 1998(c)
Dapper Nature Reserve	Lembit and Skelton 1988
Kirramingly	Clarke, et al. 1998
Towarri National Park (part)	NPWS Unpublished
Northern Wheatbelt	NPWS Unpublished

Vegetation mapping using aerial photograph interpretation and ground truthing, has also been completed over many State Forest areas and National Parks and Wildlife Service estate (see Appendix 9). The Department of Land and Water Conservation (DLWC) is also undertaking a mapping program, beginning in the north of the bioregion. More details of the DLWC program can be found in the accompanying Vegetation Overview report.

The Pilliga Forests are the largest remaining continuous forest areas in the Bioregion and were the focus of much of the assessments. The Pilliga Forests and the Goonoo Forests were considered the highest priorities for assessment. The existing mapping of the Pilliga forests, based on Lindsay Typing (Lindsay 1967), was undertaken in the 1950s. Despite the age of this mapping and acknowledging that there may be changes in floristics due to silvicultural operations, a remapping of the Pilliga forests would only have been achieved at the expense of not mapping other areas because of time and personnel constraints. Hence, it was decided to accept the existing forest type mapping of the Pilliga forests for the Stage 1 assessment.

The mapping assessment determined that the priorities for vegetation mapping using the methods proposed for this project were; Goonoo, Lincoln, Eura and Breelong State Forests including Coolbaggie Nature Reserve and Pilliga Nature Reserve, then the remaining State Forest areas and Warrumbungle National Park.

Areas mapped in this project

Mapping of 19 State Forests and 5 Nature Reserves comprising 148 848 hectares was completed within the first stage. Appendix 9 indicates the areas that were mapped. Pilliga Nature Reserve was only partially mapped as the 1997 fire precluded mapping within the burnt area because the vegetation had not recovered sufficiently to accurately determine vegetation types in the field.

Error Checking

Error checking procedures revealed 66 data capture errors and 75 polygons with coding errors. All errors have been rectified, and all of the 3 378 polygons in the final dataset have correct codes.

Vegetation types determined

The aerial photograph interpretation determined 492 unique vegetation mapping types and 18 Rainforest, Special Features and Exclusions types. The list of vegetation types determined is detailed in Appendix 18, with the list of types from existing mapping shown in Appendix 19. Most (75.4%) of the polygons were assessed as having the highest reliability (generally > 70% correct), while 23.1% had "generally > 50% correct" and 1.5% had "variable, occasionally <50% correct".

Reservation status

A summary of total extent and reservation status of broad overstorey types within the areas mapped within this present study and areas of comparable mapping (see section 3.2) are shown in Table 11. The extent reserved is derived only from the National Parks and Nature Reserves for which comparable mapping was available. This does not include the relatively large reserves such as Warrumbungles NP and a large part of Pilliga NR, for which exists only broader or otherwise incompatible mapping.

TABLE 11. TOTAL EXTENT AND RESERVATION STATUS OF BROAD OVERSTOREY TYPES WITHIN THE AREAS MAPPED WITHIN THIS PRESENT STUDY

Group	Total extent (ha)	Area in NR	Percentage reserved
A. leiocarpa	1102	965	88
Acacia harpophylla	421	392	93
C. endlicheri - E. chloroclada	1530	326	21
C. endlicheri - E. fibrosa - E. trachyphloia	6225	3664	59
C. endlicheri - E. nubila - C. glaucophylla	319	0	0
C. endlicheri - E. nubila - E. crebra	3660	20	1
C. endlicheri - E. nubila - E. dwyeri	8458	0	0
C. endlicheri - E. nubila and E. beyeriana	2196	0	0
C. endlicheri - E. nubila	22025	0	0
C. endlicheri	127	21	16
C. glaucophylla - C. trachyphloia	926	27	3
C. glaucophylla - E. albens	4420	90	2
C. glaucophylla - E. blakelyi / E. chloroclada	17640	832	5
C. glaucophylla - E. crebra - C. trachyphloia	3677	13	0
C. glaucophylla - E. crebra	180637	766	0
C. glaucophylla - E. melanophloia	1535	0	0
C. glaucophylla - E. melliodora	277	83	30
C. glaucophylla - E. microcarpa	594	44	7
C. glaucophylla - E. pilligaensis	14472	0	0
C. glaucophylla - E. populnea	13468	0	0
C. glaucophylla	818	45	5
C. maculata	82	0	0
C. preissii - E. blakelyi / E. chloroclada - A. floribunda	143	0	0
C. trachyphloia - E. chloroclada	10097	0	0
C. trachyphloia - E. fibrosa	4447	0	0
C. trachyphloia	3091	657	21
Casuarina cristata	559	0	0
E. albens	1187	106	9
E. beyeriana - E. dwyeri	4035	801	20
E. blakelyi / E. chloroclada - A. floribunda	22169	962	4
E. blakelyi / E. chloroclada - C. trachyphloia	1467	483	33
E. blakelyi / E. chloroclada - E. crebra	14247	2838	20
E. blakelyi / E. chloroclada - E. macrorhyncha	1999	1913	96
E. blakelyi / E. chloroclada	2037	204	10
E. camaldulensis	12	0	0
E. chloroclada - E. fibrosa	9258	69	1
E. conica	876	0	0
E. crebra - C. endlicheri	14054	5425	39
E. crebra - C. trachyphloia	13927	1875	13

E. crebra - E. pilligaensis	352	0	0
E. crebra	22019	693	3
E. dealbata	44	19	43
E. dumosa	1	0	0
E. dwyeri	139	10	7
E. fibrosa - C. glaucophylla	2342	10	0
E. fibrosa - C. trachyphloia	54414	9367	17
E. fibrosa	10554	8266	78
E. globoidea	2	0	0
E. macrorhyncha	7013	3447	49
E. melanophloia	141	0	0
E. melliodora - E. blakelyi	291	197	68
E. microcarpa	2615	0	0
E. nubila	4659	0	0
E. pilligaensis	18016	6	0
E. populnea	5372	3	0
E. punctata	1071	0	0
E. rossii	2173	1793	83
E. sideroxylon	2974	390	13
E. viridis	838	272	32
Heath and shrubland	16909	0	0

DISCUSSION

Land managers and planners involved in natural resource management such as landholders, River Management Committees, Catchment Management Boards, Vegetation Management Committees, government agencies and non-government organisations all require an accurate picture of the status and distribution of an areas vegetation. The status of a vegetation community can be interpreted by considering the following; the number of threatened plants and animals present, the amount of fauna habitat available, the amount cleared, the amount, extent and type of degradation within a plant community, the distribution including growth stages of the community, threats to the community and economic values such as timber supply, apiary, biodiversity, agricultural values and ecosystem function.

This knowledge is essential for developing strategies to achieve outcomes such as ecologically sustainable land management, ecologically sustainable forest management and to accurately assess research and funding priorities for programs such as the Natural Heritage Trust and the land acquisition program for the development of a Comprehensive Adequate and Representative (CAR) Reserve System.

This project provides information contributing to the knowledge of the status and distribution of the vegetation of the Brigalow Belt South bioregion. The vegetation map produced covers significant areas of public land tenure that had not been mapped previously and upgrades the mapping in some areas. The results of floristic sampling substantially increased the knowledge about composition of the vegetation communities. Notwithstanding the benefits of the new information, many aspects of the status of vegetation communities within the Bioregion have yet to be fully investigated.

4.1 NEW INFORMATION ABOUT THE VEGETATION OF THE BIOREGION

Reservation status of overstorey types

Many of the overstorey types are not represented, or are poorly represented, in the mapped reserves (see Table 11). However, if the broader mapping available for Pilliga Nature Reserve and Warrumbungle National Park is also considered, (Appendix 1), it is apparent that some types such as those containing *Eucalyptus crebra, E. fibrosa* and *E. blakelyi/chloroclada* may be additionally represented in these reserves. Using all available mapping information, relatively extensive overstorey types which are not represented or are poorly represented in any of the reserves in the bioregion are those characterised by *E. nubila, E. pilligaensis* and *E. populnea*. Apparently well reserved types include *E. fibrosa, C. endlicheri – E. fibrosa – E. trachyphloia, E. rossii, E. blakelyi / E. chloroclada – E. macrorhyncha, A. leiocarpa and E. melliodora – E. blakelyi,* when only considering areas of State Forest and NPWS estate.

Poplar Box/Pilliga Box has been identified as one of the plant communities within the bioregion which is most threatened (Benson 1989, 1991, 1999). Beeston (1980) also argues "there is a real and urgent need to conserve stands representative of the whole range of variation (of Poplar Box)" and considers the conservation status of Poplar box worse than the "poor" classification rating that Specht et al. (1974) assigned Poplar box and related communities. Benson (1991) and Robinson and Traill (1996) both argue for an urgent need to conserve both box and ironbark woodlands throughout the wheat and sheep belts of New South Wales.

The summary in Table 11 must be regarded as only indicative of reservation status and it provides only a preliminary assessment of conservation status, for the following reasons;

- Large areas of formal reserves in the bioregion, including a large part of Pilliga NR and all of Warrumbungles NP, have not been mapped to an adequate standard,
- The extent of occurrences in formal reserves in State Forests has not been determined,
- The extent of occurrences in existing and proposed Flora Reserves in State Forests has not been determined,
- The extent of occurrence in State forest management zones, and the contribution that these make to conservation objectives, has not been considered,
- The adequacy of floristic sampling and the floristic relationships among the map units have not been analysed with regard to typing consistencies, so the extent to which map units adequately represent floristic vegetation communities is largely unknown, and
- The extent of occurrence outside Crown tenure is not known, so that some types which have most of their mapped occurrence in Nature Reserves and appear to be well reserved, may be very extensive on private land with only a very small proportion of total extent actually reserved (eg. *E. melliodora – E. blakelyi* and *Acacia harpophylla* communities are known to occur predominantly on private land and have been extensively cleared). Also, the floristic data collected in areas outside of the major remnants, indicates the plant communities have high levels of disturbance and weed infestation.

Conservation assessment requires a range of other factors to be considered, as listed in section 1.3 and the adequacy of reservation of all types has to be explored further in Stage 2.

The vegetation mapping data also indicates the presence of other vegetation types on Public Land Tenure that are known to be threatened due to land clearing and/or are rare in the landscape or are severely degraded and are not adequately conserved. Vegetation types including, Ooline, Semi-evergreen Vine thicket, Carbeen, Plains Grass, Green Mallee, White Mallee, Brigalow, Yellow Box, and Fuzzy Box, are all communities that have been recognised as requiring greater conservation (Benson 1989, 1991, 1999; Threatened Species Conservation Act 1998).

Plant associations of inland water courses and discharge areas are also considered to require greater conservation (Benson, 1989) and the reservation of many areas upon public land should be considered. However, the reservation of all areas on public land may be problematic because of the diffuse nature of watercourses and as a minimum, protocols need to be developed to protect these riparian environments. River Red Gum is an important community of riparian areas on larger watercourses considers this community and is considered as having very poor reservation status Benson (1991). The only occurrences of this community upon State Forests estate in the bioregion are within Breelong and Boyben State Forests which adjoin the Castlereagh River.

Key Result 1. Many overstorey types, including extensive communities characterised by Eucalyptus nubila, E. pilligaensis and E. populnea, are not represented, or are poorly represented, in existing National Parks and Nature Reserves in the bioregion. Types containing E. nubila occur extensively in the Goonoo forests, while those containing the boxes E. pilligaensis and E. populnea occur within west Pilliga forest area.

Key Result 2. Overstorey vegetation types of River Red Gum, Ooline, Semi-evergreen Vine Thicket, Carbeen, Plains Grass, Green Mallee, White Mallee, Brigalow, Yellow Box, and Fuzzy Box which are either of conservation significance or of limited extent, occur upon Public land. These overstorey vegetation types are not represented, or are poorly represented, in existing National Parks and Nature Reserves in the bioregion.

Significant species

The frequency of threatened, ROTAP and protected plant species shown in table 8, revealed very low frequencies of these species. The only exceptions were Ooline (the majority of records were from Benson (1993) who conducted a targeted survey) and *Goodenia macbarronii* with 31 observations. It is apparent that plot-based sampling may not be the best approach to finding these species, and targeted surveys are the best approach. A targeted flora survey is planned for the 2000 spring season and should be extended and expanded in Stage 2. Many species were recorded at low frequency, and many other species known to occur within the bioregion were not recorded in plot data. The conservation significance of these species requires investigation. Some may be regionally significant and some may warrant consideration for future listing as threatened species.

Key Result 3. That the targeted flora survey to be conducted in spring 2000 be extended and expanded in Stage 2, in order to acquire information on the distribution, abundance and threats of Threatened, ROTAP and Protected species.

Adequacies of plot-based sampling

Although the plant diversity of plot data revealed 1 569 native species, it is quite clear from Figure 2, that very large areas of the bioregion remain unsampled, including the popular Warrumbungles National Park.. These unsampled areas comprise environments which are not represented within the current areas sampled and are likely to contain species which will no doubt add to the floristic biodiversity of the bioregion. An example is the Warrumbungles National Park which occurs on a combination of volcanic geology and climatic regime unique to the bioregion that has not been systematically floristically sampled.

Adequate sampling is also necessary to be able to make further comparisons with those areas which have had very low sampling intensities. Some of the smaller State Forests and Nature Reserves had only one floristic plot, which makes comparisons between these areas difficult, and an assessment of the floristic status, such as weed abundance and diversity, of these areas almost impossible.

One of the difficulties of conducting a regional assessment of plant and plant communities, is estimating the minimum number of vegetation plots to undertake over a bioregion and thus the adequacy of the existing surveys. The degree of similarity between the information within the plot-based data as compared to existing data is one way of estimating the adequacies of the plot-based data set. The comparison between the Biddiscombe (1963) floristic lists and the plot-based sampling based around the Goonoo State Forest area, revealed 60% of the species Biddiscombe listed were not captured within the plot-based data collected during this study. This discrepancy could be attributed to several factors. Seasonal differences in survey periods, species occurring outside the plot areas surveyed and undersampling may reflect the difference. Some species losses may also have occurred since 1963 when Biddiscombe conducted his survey and, in fact, it is almost certain that one species has become extinct in the area , the local endemic pea flower, *Indigofera efoliata* (Mackay and Gross 1998). The plots also failed to record another two Threatened Species known to occur in Goonoo State Forest, *Zieria ingramii* and *Homoranthus darwinioides*.

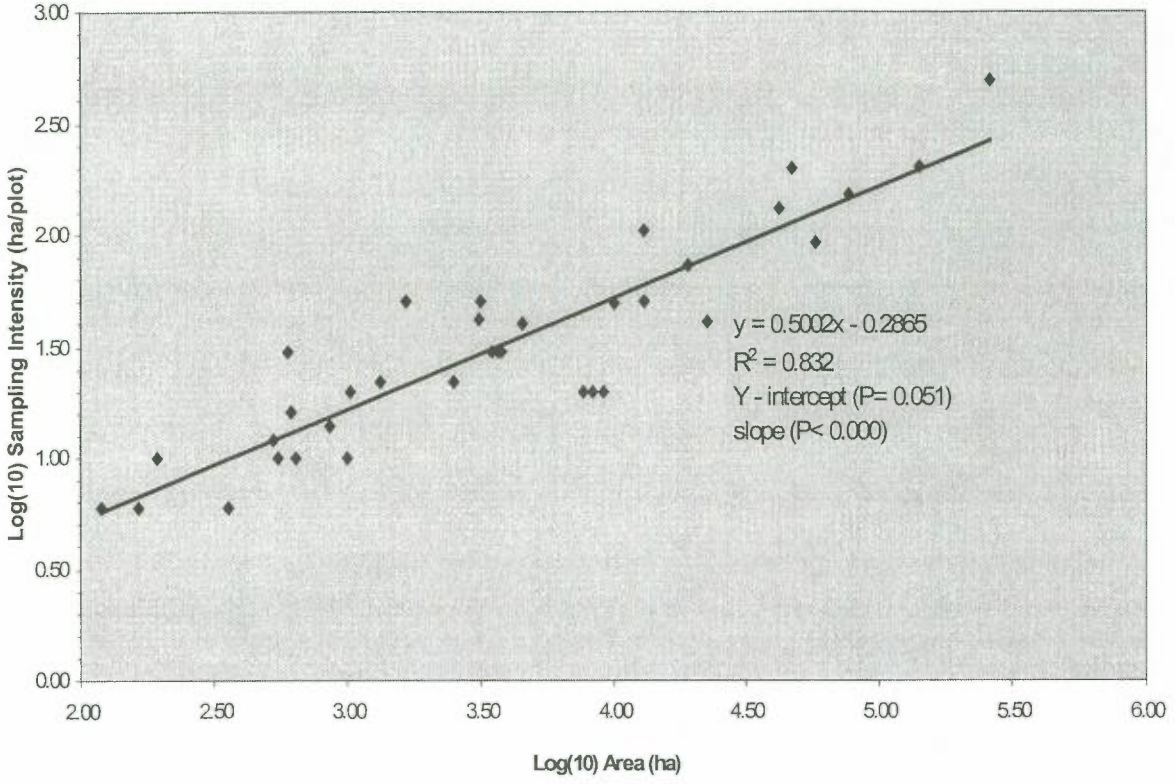
Another approach that can be used to estimate the number of plots required, is to examine existing plot-based vegetation surveys that have been conducted, and use these data to estimate a minimum number of plots per area to be surveyed. This ensures that planned surveys have a sampling intensity which is at least as high as other contemporary surveys.

An examination of all the available vegetation surveys conducted in western New South Wales revealed a direct relationship between the size of an area surveyed and the number of plots undertaken. Table 12 outlines plot based vegetation surveys that have been conducted in western New South Wales. It should be noted that these data are from areas of discrete continuous vegetation and data that were from surveys across the landscape such as the wheatbelt data, were excluded from the analysis. A regression line was fitted to the data, log(10) sampling intensity = 0.5002 x log(10) area (in hectares) – 0.2865 (see figure 5) and a significant ($p < 0.001$) log10/log10 relationship exists between the number of plots and area.

TABLE 12. PLOT BASED VEGETATION SURVEYS CONDUCTED IN WESTERN NEW SOUTH WALES, THE AREA (HECTARES) AND NUMBER OF FLORISTIC PLOTS UNDERTAKEN.

Study Area	Area (hectares)	Plots	Reference
Scotia Mapsheet	258000	498	Westbrooke et al. 1998
Nombinnie NP and Round Hill NR	140630	201	Cohn 1986
Goulburn River NP and Munghorn Gap NR	77139	152	Hill 1999
Mallee Cliffs NP	57969	92	Morcom and Westbrooke 1990
Mungo NP	47000	200	Westbrooke and Miller 1995
Goobang NP	42080	132	Porteners 1997(a)
Culgoa NP	22696	41	Hunter (in press)
Mt Kaputar NP Central	19200	74	Hunter (in press)
Cocoparra NP & NR	13054	105	Whiting 1997
Mt Kaputar NP South	13000	50	Porteners 1998(b)
Coolah Tops NP	13000	50	Binns 1997
Wiburndale NR	10050	49	ERM Mitchell McCotter 1996
Nangar NP	9200	20	ERM Mitchell McCotter 1996
Weddin Mts	8360	20	ERM Mitchell McCotter 1996
Conimbla NP	7600	20	ERM Mitchell McCotter 1996
Narran Lake NR	4527	40	Hunter 1999
Manobalai NR	3810	30	NPWS Unpublished
Binnaway NR	3699	30	Porteners 1998(a)
Towarri NP (N)	2511	22	NPWS Unpublished
Copperhannia NP	3494	30	Lembit and Skelton 1998
Arakoola NR	3162	50	Hunter (in press)
Kwiambal NP	3118	42	Hunter 1998
Mt Canobolas SRA	1670	50	Hunter (in press)
Kirramingly	1328	22	Clarke et al.
Mullion Range SRA	1025	20	Porteners (2000)
Dapper NP	999	10	Lembit and Skelton 1998
Quanda NR	854	14	Porteners 1998
Girralang NR	640	10	Porteners (2000)
Weetalibah NR	613	16	Porteners 1998(c)
Mt Kaputar NP Sub-alpine	600	30	Porteners 1997(b)
Boginderra Hills NP	554	10	Lembit and Skelton 1998
Barton NR	529	12	Lembit and Skelton 1998
Freemantle NR	361	6	Porteners (2000)
Wambool NR	194	10	Porteners (2000)
Edinburgh (Crown Land)	165	6	Hunter (in press)
Eugowra NR	120	6	Porteners (2000)

FIGURE 5. THE RELATIONSHIP BETWEEN NUMBER OF PLOTS (LOG10) AND AREA SAMPLED (LOG10) IN EXISTING SURVEYS CARRIED OUT IN WESTERN NSW



Both the Biddiscombe comparative data and the area/plot sampling intensity data clearly indicate the sampling intensity conducted within most of the State Forest areas and some National Parks and Wildlife Service areas, is well below that of existing plot-based vegetation surveys, and new sampling conducted should be reflective of contemporary plot-based vegetation surveys. Apart from the areas of remnant vegetation on land of public tenure, there are large areas of private land within the bioregion that have had no floristic assessments undertaken.

The plot number prediction model is limited to the extent of the data set which is up to 258 000 hectares. The Pilliga Area is around 500 000 hectares, and the model should be treated with caution when an extrapolation of the data is used. However, it appears that the current sampling intensity within the Pilliga may be adequate, but an examination of the sampling intensity according to Lindsay Types revealed, untyped polygons had a sampling intensity of one plot per 5 379 hectares compared with the average plot density of one plot per 1 008 hectares. An extra 21 plots would be necessary to sample the untyped polygons to the average sampling intensity of the other Lindsay Types, and further sampling of these untyped polygons should be conducted.

Key Result 4. Many areas of National Parks and Wildlife Service estate, State Forest, Crown Land and freehold land areas either have no floristic sampling or are undersampled.

The relationship in the area/plot comparison, can be used to estimate the minimum number of plots that should have been sampled during the current surveys, highlighting those areas which were undersampled as well as the additional plots needed within areas which have had no sampling. Appendix 2 indicates the recommended minimum number of additional plots required in each of the State Forest and National Parks and Wildlife Service estate areas within the bioregion. In order to sample all State Forest areas and National Parks and Wildlife Service estate to the minimum number of predicted plots using the regression equation, a minimum of 1 576 additional plots are required (1 555 predicted plus 21 extras for untyped polygons in the Pilliga) within the bioregion. It should be noted that no estimates have been included for any other areas of public tenure or private land. It must be emphasised that these recommendations are the *minimum* number of plots and additional plots should be undertaken in areas with a high degree of environmental variation such as the Warrumbungles.

Key Result 5. The minimum number of floristic plots required within each area of National Parks and Wildlife Service estate, State Forest, Crown Land or discrete remnant areas, can be determined by using the formula: log (10) plot number = 0.5002 x log (10) area - 0.2865.

The intensity of sampling across those areas outside of National Parks and Wildlife Service estate, State Forest and Crown Land has not been estimated at this stage. Sampling across these other tenures will require broad consultation and a working party of stakeholders and vegetation mapping experts should be formed to facilitate the process. Existing plot-based sampling within similar areas eg Sivertsen and Metcalfe (1995) or using methods used in other regional assessments eg Keith and Bedward (1999) can be used to develop appropriate strategies and methodologies.

Key Result 6. There is a need to develop a strategy for conducting plot-based floristic sampling within areas outside Public land tenure, by establishing a working group comprised of relevant stakeholders.

4.2 GAPS IN OUR KNOWLEDGE OF FLORA AND VEGETATION WITHIN THE BIOREGION

Aboriginal Cultural heritage gaps

The Aboriginal Cultural Assessment Project also conducted within Stage 1, identified 38 and 28 Aboriginal Cultural use plants in the Pilliga and Goonoo respectively. During discussions with Aboriginal People during Stage 1, it became obvious that there was a need to combine the formal scientific assessment of flora and fauna with Aboriginal Cultural Heritage. The formal scientific description of plants of Aboriginal Cultural use will enable a more detailed assessment to be undertaken of the extent of plants of Aboriginal Cultural use. The project should include targeted surveys after the occurrence of natural events such as fire and flooding to capitalise on the germination that these events trigger. See the accompanying Aboriginal Cultural Assessment report, for more details.

Key Result 7. There exists a need to develop a project in consultation with agencies and stakeholders that aims to assess Aboriginal Usage plants with the formal scientific knowledge of plants.

Vegetation Classification and Bioregional vegetation map gaps

There is no bioregional vegetation classification or bioregional vegetation map available for the bioregion. The differing types of vegetation mapping data currently available and different methods undertaken within the bioregion makes it very difficult and frustrating for natural resource planners to

develop regional plans. There is a requirement to amalgamate existing data and, where necessary, undertake further mapping to complete a vegetation map for the Bioregion. Such a map and classification may have a heirachical approach, with areas such as National Parks and Wildlife Service estate, State Forests and Crown Land and any other significantly sized areas of remnant vegetation or areas of high conservation status (Class 1 areas), mapped as High Standard (Benson 1999) with full floristic, stratified plot sampling and fine scale mapping. Any areas outside of these (Class 2 areas) should be mapped at High-medium standard – with full or part floristic, stratified or non-stratified plot-sampling, medium scale mapping (Benson 1999).

Key Result 8. There is a need to develop a bioregional vegetation classification and vegetation map which is based upon a heirachical approach of High Standard vegetation mapping in Class 1 (National Parks and Wildlife Service estate, State Forests and Crown Land and other significantly sized areas of remnant vegetation or areas of high conservation status) areas and High-medium standard vegetation mapping in Class 2 (areas not determined as Class 1) areas.

Vegetation Status Gaps

As indicated previously, a knowledge of the status of vegetation is essential for individuals and organisations either managing vegetation or using vegetation as a planning unit. The current project has identified some aspects of the status of some vegetation types within the bioregion. The status of many of the vegetation communities of the bioregion with reference to threats, pre-clearing extent, distribution of seral stages, conservation status and long-term trends has yet to be fully assessed.

The conservation status of a vegetation community is partially related to its pre-clearing extent (Benson 1989). The development of a pre-clearing vegetation map has been useful for regional vegetation planning in the Moree Plains Regional Vegetation and Southern Mallee planning areas (D. Robson pers. Comm.). A pre 1750 vegetation map is also being produced for the Central Lachlan Catchment by Austin et al. (1999) which will be used for regional vegetation planning for vegetation retention targets and for rehabilitation and replanting of plant communities. The Brigalow Belt South Bioregion currently has four Regional Vegetation Committees (Moree, Coonabarabran – Coolah – Narrabri, Liverpool Plains and Yallaroi) developing Regional Vegetation Management Plans that would find a pre-clearing map useful for planning.

Key Result 9. There is a need to develop a pre-clearing vegetation map for the bioregion.

The extent and distribution of the growth stages within vegetation communities is very important for vegetation management and conservation planning. It is important to know what growth stage an area of vegetation is at in order to maximise the chance of achieving conservation outcomes over the landscape. For example, the location and extent of trees with mature hollow development is useful for vegetation management and planning with regard to threatened and regionally significant fauna species. Knowing the extent and distribution of regrowth areas can also aid in revegetation strategies. The Disturbance History Mapping project also carried out in the Stage 1 assessment would help in the development of a growth stage map of vegetation communities for the bioregion. Such a map would need to be continually updated, hence, a long-term commitment to such a project is recommended and a working party of relevant stakeholders be convened to develop the project.

Key Result 10. A map of the growth stages within vegetation communities of the bioregion would aid in conservation and management planning and a working party of relevant stakeholders be convened to develop a project, to map the growth stages in each vegetation community, for both Class 1 and Class 2 areas.

The data collected from this current survey and previous surveys provide a "snapshot" in time of the vegetation conditions. A literature search and consultation with the major land management agencies revealed there are no plots within the bioregion monitoring long-term changes in biodiversity. To properly plan for biodiversity over the landscape, it is important to know what trends are happening with biodiversity over the landscape. For example, are areas within National Parks becoming more weedy? Are threatened species declining in particular areas? Are management initiatives such as fire regimes or fencing of remnants being effective? Are new species of weeds entering the bioregion? These are only examples of many questions that could be answered with long-term monitoring data. Monitoring programs should be implemented across all tenures with replicated and control plots which are developed with stakeholder and agency support. Long-term flora monitoring plots could be linked with associated long-term fauna monitoring, providing a useful comparative data set in which to examine biodiversity trends over time.

Key Result 11. No long-term flora monitoring plots exist within the bioregion and a program could be developed and implemented to monitor flora and fauna over all tenures across the bioregion.

The knowledge of the threats to a vegetation type is an essential component in determining its status. The threats to some vegetation types in the bioregion are well known eg for Plains Grass Grasslands (Sim and Urwin 1984). Knowledge of threats enable the development of strategies for threat abatement and can help determine funding priorities. An analysis of the threats towards all vegetation types occurring in the bioregion should be undertaken to aid in the determination of conservation status and to help with planning, management and funding priorities.

Key Result 12. A threat analysis has yet to be conducted on all vegetation types occurring within the bioregion.

Implementation of the previous recommendations of expanding the plot-based floristic surveys, developnig a seral stage vegetation map, the conducting of a threat analysis, the production of a pre-clearing vegetation distribution map, targeted flora survey and the development of a bioregional vegetation classification, will enable the assessment of the conservation status of all vegetation communities in the bioregion. The conservation assessment will need to be ongoing, as data collected from further floristic sampling and information collected from both the long-term monitoring plots and strategies implemented by the various Regional Vegetation Management Committees and agencies, will need to be reincorporated and the vegetation status for each community constantly refined. The status of each community can also be used to influence funding, planning and management priorities.

Key Result 13. The Conservation Status of each vegetation community within the bioregion, has yet to be assessed in relation to Pre-clearing extent, Cultural Heritage value (both Aboriginal and post European settlement), occurrence of Threatened species (both flora and fauna), current extent and condition, growth stage and fauna habitat.

Cryptogam gaps

Cryptogams (mosses, liverworts and lichens) have an important role in reducing water and wind erosion, controlnig water flow through soils, soil nutrition and providing niches for plant seedlings and soil invertebrates (Eldridge and Tozer, 1997). Virtually nothing is known about the cryptogams of the bioregion and thus a whole suite of important organisms are being ignored. A pilot study to investigate the biodiversity of the cryptogams of the bioregion is achievable in Stage 2 and should be considered because of the important role these organisms play in the function of natural ecosystems.

Key Result 14 . There have been no studies of the distribution and abundance of cryptogam biodiversity within the bioregion and a pilot study to investigate the biodiversity of the cryptogams of the bioregion is achievable in Stage 2.

KEY RESULTS

Key Result 1. Many overstorey types, including extensive types characterised by Eucalyptus nubila, E. pilligaensis and E. populnea, are not represented, or are poorly represented, in existing National Parks and Nature Reserves in the bioregion. Types containing E. nubila occur extensively in the Goonoo forests, while those containing the boxes E. pilligaensis and E. populnea occur within west Pilliga forest area.

Key Result 2. Overstorey vegetation types of River Red Gum, Ooline, Semi-evergreen Vine Thicket, Carbeen, Plains Grass, Green Mallee, White Mallee, Brigalow, Yellow Box, and Fuzzy Box which are either of conservation significance or of limited extent occur upon Public land. These overstorey vegetation types are not represented, or are poorly represented, in existing National Parks and Nature Reserves in the bioregion..

Key Result 3. That the targeted flora survey to be conducted in Spring 2000 be extended and expanded in Stage 2 in order to acquire information on the distribution, abundance and threats of Threatened, ROTAP and Protected species.

Key Result 4. Many areas of National Parks and Wildlife Service estate, State Forest, Crown Land and freehold land areas either have no floristic sampling or are undersampled.

Key Result 5. The minimum number of floristic plots required within each area of National Parks and Wildlife Service estate, State Forest, Crown Land or discrete remnant areas, can be determined by using the formula: log (10) plot number = 0.5002 x log (10) area - 0.2865.

Key Result 6. There is a need to develop a strategy for conducting plot-based floristic sampling within areas outside Public land tenure, by establishing a working group comprised of relevant stakeholders.

Key Result 7. There exists a need to develop a project in consultation with stakeholders that aims to assess Aboriginal Usage plants with the formal scientific knowledge of plants.

Key Result 8. There is a need to develop a bioregional vegetation classification and vegetation map which is based upon a heirachical approach of High Standard vegetation mapping in Class 1 (National Parks and Wildlife Service estate, State Forests and Crown Land and other significantly sized areas of remnant vegetation or areas of high conservation status) areas and High-medium standard vegetation mapping in Class 2 (areas not determined as Class 1) areas.

Key Result 9. There is a need to develop a pre-clearing vegetation map for the bioregion.

Key Result 10. A map of the growth stages within vegetation communities of the bioregion would aid in conservation and management planning and a working party of relevant stakeholders be convened to develop a project, to map the growth stages in each vegetation community, for both Class 1 and Class 2 areas.

Key Result 11. No long-term flora monitoring plots exist within the bioregion and a program could be developed and implemented to monitor flora and fauna over all tenures across the bioregion.

Key Result 12. A threat analysis has yet to be conducted on all vegetation types occurring within the bioregion.

Key Result 13. The Conservation Status of each vegetation community within the bioregion, has yet to be assessed in relation to Pre-clearing extent, Cultural Heritage value (both Aboriginal and post European settlement), occurrence of Threatened species (both flora and fauna), current extent and condition, growth stage and fauna habitat.

Key Result 14 . There have been no studies of the distribution and abundance of cryptogam biodiversity within the bioregion and a pilot study to investigate the biodiversity of the cryptogams of the bioregion is achievable in Stage 2.

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APPENDIX 1. STATE FORESTS AND NATIONAL PARKS AND WILDLIFE SERVICE ESTATE WITHIN THE BRIGALOW BELT SOUTH BIOREGION INCLUDING THE AERIAL PHOTOGRAPH INTERPRETATION PLANNING AREA AND SCALE OF BASE MAPPING.

State Forest or NPWS Estate	Planning Area	Base Mapping scale and Aerial Photographs scale
Baby SF	Plains	1:50 000
Balladoran SF	Dubbo	1:50 000
Baradine SF	Pilliga	1:50 000
Bebo SF	Not Sampled	1:25 000
Beni SF	Dubbo	1:50 000
Berrygill SF	Not Sampled	1:25 000
Bibblewindi SF	Pilliga	1:50 000
Biddon SF	Dubbo	1:50 000
Binnaway NR	Not Sampled	1:50 000
Black Jack SF	Plains	1:25 000
Bobbiwa SF	Not Sampled	1:50 000
Boyben SF	Dubbo	1:50 000
Breelong SF	Dubbo	1:50 000
Breeza SF	Plains	1:25 000
Brigalow Park NR	Narrabri	1:50 000
Bullala SF	Not Sampled	1:25 000
Bullawa Creek SF	Narrabri	1:25 000
Bunal SF	Not Sampled	1:25 000
Campbell SF	Not Sampled	1:25 000
Careunga NR	Not Sampled	1:50 000
Cedar Brush NR	Not Sampled	1:25 000
Claremont NR	Narrabri	1:50 000
Cobbora SF	Dubbo	1:50 000
Coolah Tops NP	Not Sampled	1:50 000, 1:25 000
Coolbaggie NR	Goonoo	1:50 000
Coomore Creek SF	Pilliga	1:50 000
Couradda SF	Not Sampled	1:50 000
Cubbo SF	Pilliga	1:50 000
Culgoora SF	Pilliga	1:50 000
Cumbil SF	Pilliga	1:50 000
Curban SF	Dubbo	1:50 000
Curryall SF	Dubbo	1:50 000
Dapper NR	Not Sampled	1:50 000
Denobollie SF	Pilliga	1:50 000
Deriah SF	Plains	1:50 000, 1:25 000
Dilly SF	Plains	1:25 000
Dinawirindi SF	Plains	1:25 000
Doona SF	Plains	1:25 000
Dowe SF	Plains	1:25 000
Drillwarrina SF	Dubbo	1:50 000
Durridgere SF	Dubbo	1:50 000
Etoo SF	Pilliga	1:50 000
Euligal SF	Pilliga	1:50 000
Eumungerie SF	Dubbo	1:50 000

Eura SF	Dubbo	1:50 000
Gamilaroi NR	Not Sampled	1:25 000
Garrawilla SF	Plains	1:50 000
Gilgandra SF	Dubbo	1:50 000
Goodiman SF	Dubbo	1:50 000
Goonoo SF	Goonoo	1:50 000
Goran SF	Plains	1:25 000
Gunyerwarildi SF	Not Sampled	1:25 000
Irrigappa SF	Not Sampled	1:25 000
Jacks Creek SF	Pilliga	1:50 000
Janewindi SF	Narrabri	1:50 000
Kelvin SF	Plains	1:25 000
Kerringle SF	Pilliga	1:50 000
Killarney SF	Not Sampled	1:50 000
Leard SF	Plains	1:25 000
Lincoln SF	Goonoo	1:50 000
Merriwindi SF	Pilliga	1:50 000
Minnon SF	Pilliga	1:50 000
Mission SF	Not Sampled	1:25 000
Moema SF	Not Sampled	1:50 000
Mogriguy Flora Reserve	Dubbo	1:50 000
Montrose SF	Not Sampled	1:25 000
Munmurra SF	Dubbo	1:25 000
Orr SF	Pilliga	1:50 000
Parkhurst SF	Not Sampled	1:25 000
Pilliga East SF	Pilliga	1:50 000
Pilliga West SF	Pilliga	1:50 000
Pine Ridge SF	Plains	1:25 000
Plagyan SF	Plains	1:25 000
Quegobla SF	Pilliga	1:50 000
Rusden SF	Plains	1:25 000
Ruttley SF	Pilliga	1:50 000
Spring Ridge SF	Plains	1:25 000
Stonehenge SF	Not Sampled	1:25 000
Strathmore SF	Not Sampled	1:25 000
Stuart SF	Not Sampled	1:25 000
Terry Hie Hie SF	Not Sampled	1:25 000
Timmallallie SF	Pilliga	1:50 000
Tinkrameanah SF	Plains	1:50 000
Towarri NP	Not Sampled	1:25 000
Trinkey SF	Plains	1:50 000, 1:25 000
Tuckland SF	Dubbo	1:50 000
Turill SF	Dubbo	1:50 000
Vickery SF	Plains	1:25 000
Warialda SF	Not Sampled	1:25 000
Warrumbungle NP	Not Sampled	1:50 000
Warung SF	Not Sampled	1:25 000
Waubebunga SF	Pilliga	1:50 000
Weetalibah NR	Not Sampled	1:50 000
Wingen Maid NR	Not Sampled	1:25 000
Wittenbra SF	Pilliga	1:50 000

Wondoba SF	Plains	1:25 000
Wongarbon NR	Dubbo	1:50 000
Yalcogrin SF	Dubbo	1:50 000
Yaminba SF	Pilliga	1:50 000
Yarindury SF	Dubbo	1:50 000
Yarrigan SF	Pilliga	1:50 000
Yarrobil SF	Dubbo	1:50 000
Yearinan SF	Pilliga	1:50 000
Yetman SF	Not Sampled	1:25 000

APPENDIX 2. FLORISTIC PLOT SAMPLING INTENSITY UNDERTAKEN IN STAGE 1 ACCORDING TO REMNANT AREA, AND NUMBER OF EXTRA PLOTS REQUIRED TO BE SAMPLED IN STAGE 2

State Forest or NPWS Estate	Area (ha)	Actual plots conducted	Intensity (hectares/plot)	Extras to do
Baby SF	254	1	254	8
Balladoran SF	330	1	330	9
Bebo (central) SF	155	0	-	7
Bebo (E) SF	1827	0	-	23
Bebo (W) SF	18981	0	-	72
Beni SF	1836	2	918	21
Berrygill SF	2721	0	-	28
Biddon SF	3688	4	922	28
Black Jack SF	191	1	191	7
Bobbiwa SF	2676	0	-	27
Boyben (E) SF	2426	2	1213	24
Boyben (central) SF	69	1	69	4
Boyben (W) SF	77	0	-	5
Breeza SF	1380	1	1380	19
Brigalow Park NR	202	1	202	7
Bullala SF	2621	0	-	27
Bullawa Creek SF	99	1	99	5
Bunal SF	1031	0	-	17
Campbell/Montrose SF	1947	0	-	23
Careunga NR	501	0	-	12
Cedar Brush NR	207	0	-	8
Claremont NR	202	1	202	7
Cobbora SF	3723	4	931	28
Coolbaggie NR (W)	1063	2	531	15
Coolbaggie NR (E)	733	1	733	14
Couradda SF	362	0	-	10
Culgoora SF	1315	2	657	17
Curban SF	198	1	198	7
Curryall SF	1120	2	560	16
Deriah SF	2240	3	747	22
Dilly SF	66	1	66	4
Dinawirindi SF	139	1	139	6
Doona SF	1327	2	663	17
Dowe SF	380	1	380	10
Drillwarrina SF	1077	1	1077	17
Durridgere SF	3938	4	985	29
Eumungerie SF	135	1	135	6
Gamilaroi NR	123	0	-	6
Garrawilla SF	921	2	460	14
Gilgandra SF	190	1	190	7
Goodiman SF	570	1	570	12
Lincoln, Eura, Breelong SF	7056	8	882	36
Goonoo SF	63252	59	1072	72
Goran SF	502	1	502	11

Gunyerwarildi SF	316	0	-	10
Irrigappa SF	899	0	-	16
Janewindi SF	474	1	474	11
Kelvin SF	2265	4	566	21
Kerringle SF	6695	4	1674	39
Killarney SF	1858	0	-	23
Leard (E) SF	7452	6	1242	39
Leard (W) SF	1176	3	392	15
Mission (N) SF	425	0	-	11
Mission (S) SF	841	0	-	16
Moema SF	2017	0	-	24
Mogriguy Flora Reserve SF	399	1	399	10
Munmurra (NE) SF	247	0	-	9
Munmurra (SW) SF	1050	1	1050	16
Parkhurst SF	528	0	-	12
Pilliga SF's	472134	495	954	21
Pine Ridge SF	352	1	352	9
Plagyan SF	4605	5	921	31
Rusden SF	1582	2	791	19
Spring Ridge SF	1015	3	338	14
Stonehenge SF	530	0	-	12
Strathmore SF	390	0	-	11
Stuart SF	125	0	-	6
Terry Hie Hie SF	5867	0	-	40
Tinkrameanah SF	969	2	484	15
Towarri NP (C)	314	0	-	10
Towarri NP (S)	816	0	-	15
Trinkey SF	10228	11	930	42
Tuckland SF	860	1	860	15
Turill SF	1052	1	1052	16
Vickery SF	1942	4	485	19
Warialda (central) SF	2383	0	-	26
Warialda (N) SF	198	0	-	8
Warialda (S) SF	1603	0	-	21
Warrumbungle NP	23198	0	-	79
Waubebunga SF	104	2	52	4
Wingen Maid NR	1097	0	-	18
Wondoba SF	1675	2	838	20
Wongarbon NR	99	1	99	5
Yalcogrin SF	930	2	465	14
Yarindury SF	1434	2	717	18
Yarrobil SF	1776	2	888	20
Yetman SF	469	0	-	12
			Total	1576

Appendix 3. Floristics Recording Sheet

NPWS/State Forests
Brigalow Belt South Study

FLORISTIC DATA

NPWS Western Directorate
PO Box 2111, Dubbo, 2830
Tel: 02 6883 5328
Fax:02 6884 9382

Plot ID | D | U | B | B | E | X | W | | | |

Date | | | | | | | |

Quadrat Size ☐ m X ☐ m

S	No.	Species	ID	C/A	Notes	Databased
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	0					
	1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	0					

S=specimen C/A 1. Few individuals <5% 2. Many individuals <5% 3. 5-25% 4. 26-50% 5. 51-75% 6. 76-100%
C/A score relates to 50 by 20m quadrat Note:Undertake 20m by 20m quadrat first and indicate plants recorded in remaining quadrat

Appendix 4. Vegetation Structure Recording Sheet

Plot ID	D	U	B	B	E	X	W			
Date										

Strata	Form	Ht Rg (m)		Total %C	Species 1	%C	Species 2	%C	Species 3	%C

Community Structure:

Strata: Record vegetation layers present in plot using Walker & Hopkins (1990) 3(4) strata approach:

E – trees that project above the defined tallest stratum and can comprise up to 5% of the total crown cover

T - tallest and upper stratum.

M - mid-stratum containing all layers between T and L. If more than one mid-stratum layer, number M1, M2, M3

L - all ground vegetation up to 1m tall. If more than one lower stratum layer, number L1, L2, L3.

Form: Enter the predominant growth form(s). See Opposite

Ht Rg(m): *Height Range* - estimate upper and lower heights in metres of stratum. Actual measurements should be done from time to time using clinometer and tape (approx. every 10 sites). Note with "=" when an actual measurement has been taken.

% C: % crown cover - estimate total crown cover of each stratum to nearest 10%. Refers to % of plot area covered by (overlapping) vertical projection of all plant crowns in stratum (Walker and Hopkins 1990, pg 71, Figure 6).

Species1,2, & 3: Names of the 3 most dominant species in each stratum.

GROWTH FORM:

CODE	GROWTH FORM
T	tree
Y	mallee shrub (<8m)
M	mallee tree (>8m)
S	shrub (<2m)
Z	heath shrub (<2m) ericoid leaves
C	chenopod shrub - halophyte
D	sod grass (compact tussocks in close contact)
G	tussock grass (discrete open tussocks; agric . grasses)
A	herb/grass complex
E	fern
L	vine
V	sedge (Cyperaceae Restionacaea)
R	rush (Junicaceae, Typhaceae, Restionaceae & Lomandra)
F	forb (herbaceous or slightly woody; not a grass

Notes:.....
.....
.....
.....
.....
.....

NPWS/State Forests
Brigalow Belt South Study
NPWS Western Directorate PO Box 2111, Dubbo, 2830
Tel: 02 6883 5328, Fax:02 6884 9382

NPWS Western
Directorate PO Box
2111, Dubbo, 2830
Tel: 02 6883 5328
Fax:02 6884 9382

NPWS/State Forests
Brigalow Belt South Study

VEGETATION SURVEY PROFORMA

Plot ID | D | U | B | B | E | X | W | | | |

Date | | | | | | |

RECORDER .....

LOCALITY DESCRIPTION:

.....

.....

MAP CODE: | | | | | | | Scale:..... MAP NAME: .....

	ZONE	EASTING	NORTHING	Quadrat
AMG (From Map)				m m
GPS READING (centre of plot)				No. of satellites

PLACE NAME: ..... LAND TENURE

DISTURBANCE HISTORY

	Severity	Time	Accuracy	Obs type
Fire				
Logging				
Grazing				
Other				

OVERALL CONDITION

G - good
A - average
P - poor

SOIL

Depth

Type

PHYSICAL DETAILS

TOPOGRAPHIC POSITION

Altitude (m) | slope ° | Aspect ° | Pattern | Morphology | Element

Outcropping

Surface Rocks

HORIZON ELEVATION (Azimuth)

±	N	±	NE	±	E	±	SE	±	S	±	SW	±	W	±	NW

Horizon Visibility

Mapped Geology | Field Geology | Photos | Film No. | Print No.

Air photo cat. No. | Run No. | Print No.

Appendix 6. Coding Explaination Sheet
VEGETATION SURVEY PROFORMA

Record Plot Identifier, Date & Recorder/s

Locality Description: description details to assist relocation (eg distance along roads/tracks, walking distance, direction, etc..).

Map Code: enter Map Sheet number. **Map Name:** enter Map Sheet name.

AMG : *Zone* - number of global grid zone.
Easting - enter x-axis co-ordinate (6 digits).
Northing - enter y-axis co-ordinate (7 digits).

GPS reading: AMG (as above), plot centre.

Land Tenure: See CODES

Disturbance History: See CODES.

Time: enter time since disturbance in years (e.g. 10 years)

Accuracy: enter accuracy of years since disturbance (e.g. +/- 2 years)

Obs. Type: enter observation type (See CODES).

Overall Condition: enter condition of site

Physical Details:

Soil: See CODES.

Altitude: To the nearest 20m (1:50 000 map): 1st cell 'X' unless used.

Slope: Clinometer reading - in slope direction sight, trees 20/30m away - mark tree with flagging tape at eye level - read off slope in degrees from left hand scale on clinometer.

Aspect: Compass bearing of the direction the slope faces.

Pattern: See CODES

Morphology & Element: See CODES.

Outcropping: : amount of exposed bedrock See CODES

Surface rocks: : See CODES

Horizon Visibility: See CODES.

Horizon Elevation (Azimuth): Clinometer degree reading (+ or -) from plot centre at 8 compass bearings to most distant horizon. If horizon obstructed (eg forest) note on proforma and record estimate.

Mapped Geology: Enter mapped geology as per geology strata map.

Field Geology: See CODES.

Photos: Kodachrome Slides to be taken with a standard 50mm lens from the north-west corner of the quadrat. The quadrat identification marker is to be located 5m from the camera.

CODES

DISTURBANCE HISTORY:

SEVERITY		OBSERVATION TYPE	
0	No evidence	1	Estimate
1	Light	2	Historical Record
2	Moderate		
3	Severe		

SOIL:

SOIL DEPTH		SOIL TYPE	
1	Deep	1	Clay
2	Shallow	2	Loam
3	Skeletal	3	Sand
		4	Organic

OUTCROPPING (cover)	
0	0%
1	<10%
2	10-50%
3	>50%

SURFACE ROCKS (cover)	
0	0%
1	<10%
2	10-50%
3	>50%

PATTERN

Code	Name	Definition
ALP	ALLUVIAL PLAIN	level landform pattern with extremely low relief. The shallow to deep alluvial stream channels are sparse, to widely spaced, forming a unidirectional integrated network. Active erosion &/or aggredation by overbank or channelled stream flow may be present, or the landforms may be relict.
ESC	ESCARPMENT	steep to precipitous landform pattern forming a linear extensive, straight or sinuous inclined surface which separates terraines at different altitudes; relief may be high or low; upper margin is often a cliff or scarp.
FLP	FLOOD PLAIN	ALLUVIAL PLAIN landform pattern characterised by frequent active erosion & aggradation by channelled or over-bank stream flow.
HIL	HILLS	landform pattern of high relief (90-300M) with gently inclined to precipitous SLOPES; STREAM CHANNELS fixed, shallow & erosional; non-directional or convergent tributary network; continuous erosion by wash & creep.
LOW	LOW HILLS	landform pattern of low relief (30-90m) and gentle to very steep SLOPES, typically with fixed erosional STREAM CHANNELS, closely to widely spaced, which form a non-directional or convergent integrated tributary pattern; active sheet flow, creep & channelled stream flow.
PLT	PLATEAU	level to rolling landform pattern of PLAINS, RISES or LOW HILLS standing above a CLIFF, SCARP or ESCARPMENT that extends around a large part of its perimeter.
RIS	RISES	landform pattern of very low relief (9-30m) & very gentle to steep SLOPES; the fixed erosional STREAM CHANNELS are closely to very widely spaced & form a non-directional to convergent, integrated or interrupted tributary pattern.
SAN	SAND PLAIN	level to gently undulating landform pattern of extremely low relief & without CHANNELS; formed possibly by sheet flow or stream flow but now relict & modified by wind action.
TER	TERRACE (ALLUVIAL)	landform pattern comprising a former FLOOD PLAIN on which erosion & aggradation by channelled & over-bank stream flow is barely active or inactive due to channel deepening or enlargement lowering the level of flooding.

MORPHOLOGY AND ELEMENT:

CODE	MORPHOLOGY	CODE	ELEMENT	CODE	MORPHOLOGY	CODE	ELEMENT
C	Crest	HCR SUS RDG PTE	Hillcrest Summit Surface Ridge Plateau	L	Lower Slope	CFS SFS FOO CLI SCA HSL	Cliff-foot Slope Scarp-foot Slope Foot Slope Cliff Scarp Hill Slope
H	Hillock	TOR	Tor (Tor field)	F	Flat	PLA VLF FAN	Plain Valley Flat Fan
S	Simple Slope	BAN CLI SCA HSL	Stream Bank Cliff Scarp Hill Slope	V	Open Depression	GUL DDE STC STB	Gully Drainage Depression Stream Channel Stream Bed
U	Upper Slope	CLI SCA HSL	Cliff Scarp Hill Slope	D	Closed Depression	LAK LAG SWP	Lake Lagoon Swamp

M	Mid Slope	CFS SFS BEN CLI SCA HSL	Cliff-foot Slope Scarp-foot Slope Bench Cliff Scarp Hill Slope				

FIELD GEOLOGY:

CODE	GEOLOGY
1	Basic Igneous
2	Granitic
3	Leucogranitic
4	Acid Volcanics
5	Quaternary Sand & Alluvium
6	Sedimentary-high quartz
7	Sedimentary-low quartz
8	Serpentinite
9	Limestone

LAND TENURE:

CODE	LAND TENURE
NP	National Park
NR	Nature Reserve
CL	Crown Leasehold
SF	State Forest
FR	Flora Reserve
VC	Vacant Crown Land
PP	Private Property

HORIZON VISIBILITY:

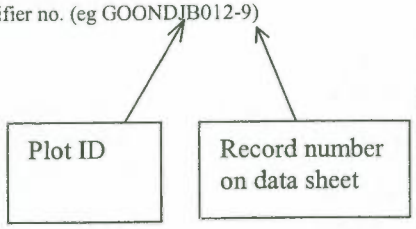
G	Good
F	Fair
P	Poor

FLORISTIC DATA

Record Plot Identifier, Date, Quadrat Size & Page Number.

S: Denote with an (x) if a specimen has been collected:

No.: Record number: reference no. for identification with plot identifier no. (eg GOONDJB012-9)



Species: Most recent taxonomic name if known

CA: Cover Abundance:

1. few individuals <5%
2. many individuals <5%
3. 5 - 25%
4. 25 - 50%
5. 50 - 75%
6. 75 - 100%

For Woody plants, CA refers to crown cover or % of plot area covered by vertical projection of the crowns of the species.

For Ground layer, CA refers to foliage cover. Values are by visual estimation. Species cover abundance is for the 50m x 20m plot **not** the 20m x 20m plot.

ID: Identification:

H Herbarium

V Vegetative material

F Flowering and/or fruiting material

? other - use initials and note.

Stratum cover-abundance/height (for dominants within each straum only)

For dominants within each stratum record % cover and height of each species
T = tree layer
M1=Mid stratum 1
M2=Mid stratum 2
M3=Mid stratum 3
L1=Lower stratum 1
L2=Lower stratum 2

Notes: Any notes eg. conservation significance or for identification purposes.

** Record 20m x 20m plot first and then ENSURE that this is CLEARLY underlined on FLORISTIC DATA.*

proforma - use < & > as well at ends of underline.

** Record additional new species found in remaining 50m x 20m section of plot.*

Appendix 7. Opportunistic Flora sighting recording sheet

NPWS/State Forests
Brigalow Belt South Study

NPWS Western Directorate
PO Box 2111, Dubbo, 2830
Tel: 02 6883 5328
Fax:02 6884 9382

OPPORTUNISTIC FLORA RECORD

RECORDER ..... Date | | | | | | | |

SPECIES .....

LOCALITY .....

AMG: (centre of plot) Zone | | Easting | | | | | | Northing | | | | | | |

POPULATION INFORMATION	NO. OF INDIVIDUALS	POPULATION AREA (HA)	PRECISION	BREEDING (Y/N) V	Bu	Fl	Fr	oF	AGE STRUCTURE (Y/N) S	Im	M	Se

SITE AND OTHER INFORMATION

Fire regeneration response _____

Threats _____

_____

Land tenure _____

HABITAT/NOTES _____

_____

_____

_____

_____

_____

_____

Precision: Precision for population size. **C** = Count, **E** = estimate

Breeding: (Yes/No) V=vegetative Growth only, B=buds, Fl=flowers, Fr=fruits, oF= old fruits

Age Structure: (Yes/No) S=seedlings, I=immature, M=mature, Se=senescent

APPENDIX 8. PLANT SPECIES LIST OCCURRING WITHIN PLOTS, SPECIES CODE, CONSERVATION STATUS, NATIVE PLANT STATUS AND FREQUENCY OF OCCURRANCE

Family	DisplayName	Code	Status	ROTAP	Native	Frequency
Acanthaceae	Brunoniella australis	1003	U		Y	115
Acanthaceae	Pseuderanthemum variabile	1010	U		Y	66
Acanthaceae	Rostellularia adscendens	8966	U		Y	8
Acanthaceae	Rostellularia adscendens ssp adscendens	8966	U		Y	65
Acanthaceae	Rostellularia adscendens ssp adscendens var adscendens	6539	U		Y	18
Adiantaceae	Adiantum aethiopicum	7997	P13		Y	21
Adiantaceae	Adiantum formosum	7999	P13		Y	6
Adiantaceae	Cheilanthes austrotenuifolia	8005	U		Y	79
Adiantaceae	Cheilanthes distans	6382	U		Y	117
Adiantaceae	Cheilanthes sieberi	10439	U		Y	26
Adiantaceae	Cheilanthes sieberi ssp sieberi	8007	U		Y	508
Adiantaceae	Pellaea falcata	8444	U		Y	13
Adiantaceae	Pellaea paradoxa	8010	U		Y	4
Aizoaceae	Glinus lotoides	6381	U		Y	2
Aizoaceae	Tetragonia moorei	10540	U		Y	1
Aizoaceae	Tetragonia tetragonoides	1040	U		Y	9
Aizoaceae	Trianthema triquetra	7680	U		Y	1
Aizoaceae	Zaleya galericulata	6504	U		Y	4
Aizoaceae	Zaleya galericulata ssp australis	7094	U		Y	1
Alismataceae	Damasonium minus	1044	U		Y	2
Alliaceae	Nothoscordum borbonicum	8963	U		N	9
Amaranthaceae	Alternanthera angustifolia	7113	U		Y	1

Status codings; E1 = Endangered, V = Vulnerable, P13 = Protected, U = Unprotected. ROTAP codings; 3 = distribution > 100 kilometres, 2 = distribution up to 100 kilometres, R = rare, C = conserved, - = conservation status unknown, a = adequately conserved, I = inadequately conserved, K = poorly known. Native status; y = yes, N = no. Frequency = number of occurrances out of 2554 plots.

Amaranthaceae	Alternanthera denticulata	6478	U		Y	31
Amaranthaceae	Alternanthera nana	7079	U		Y	6
Amaranthaceae	Alternanthera nodiflora	1049	U		Y	1
Amaranthaceae	Alternanthera pungens	7191	U		N	13
Amaranthaceae	Alternanthera sp.A	8485	U		Y	51
Amaranthaceae	Alternanthera spp.	Alte	U		Y	1
Amaranthaceae	Amaranthus macrocarpus	1057	U		Y	4
Amaranthaceae	Amaranthus macrocarpus var macrocarpus	9092	U		Y	1
Amaranthaceae	Amaranthus viridis	1064	U		N	7
Amaranthaceae	Deeringia amaranthoides	7896	U		Y	1
Amaranthaceae	Gomphrena celosioides	7056	U		N	10
Amaranthaceae	Nyssanthes diffusa	1067	U		Y	2
Amaranthaceae	Nyssanthes erecta	1068	U		Y	5
Amaranthaceae	Ptilotus erubescens	1070	U		Y	2
Amaranthaceae	Ptilotus exaltatus var exaltatus	6599	U		Y	2
Amaranthaceae	Ptilotus macrocephalus	1077	U		Y	2
Amaranthaceae	Ptilotus semilanatus	8523	U		Y	2
Amaryllidaceae	Calostemma purpureum	3537	U		Y	1
Amaryllidaceae	Crinum flaccidum	6607	U		Y	28
Anacardiaceae	Schinus areira	1086	U		N	6
Anthericaceae	Arthropodium milleflorum	3517	U		Y	54
Anthericaceae	Arthropodium minus	3518	U		Y	11
Anthericaceae	Arthropodium species B	9097	U		Y	10
Anthericaceae	Caesia calliantha	6896	U		Y	2
Anthericaceae	Caesia parviflora var parviflora	7183	U		Y	4
Anthericaceae	Caesia parviflora var vittata	7333	U		Y	1
Anthericaceae	Dichopogon fimbriatus	3544	U		Y	6
Anthericaceae	Dichopogon strictus	3545	U		Y	1
Anthericaceae	Laxmannia compacta	6752	U		Y	51
Anthericaceae	Laxmannia gracilis	3556	U		Y	189

Status codings; E1 = Endangered, V = Vulnerable, P13 = Protected, U = Unprotected. ROTAP codings; 3 = distribution > 100 kilometres, 2 = distribution up to 100 kilometres, R = rare, C = conserved, - = conservation status unknown, a = adequately conserved, I = inadequately conserved, K = poorly known. Native status; y = yes, N = no. Frequency = number of occurrances out of 2554 plots.

Anthericaceae	Thysanotus patersonii	3573	U		Y	4
Anthericaceae	Thysanotus tuberosus	3574	U		Y	66
Anthericaceae	Thysanotus tuberosus ssp tuberosus	6427	U		Y	2
Anthericaceae	Tricoryne elatior	7355	U		Y	120
Apiaceae	Actinotus gibbonsii	1093	U		Y	35
Apiaceae	Actinotus helianthi	1094	P13		Y	87
Apiaceae	Ammi majus	1098	U		N	23
Apiaceae	Berula erecta	6505	U		N	4
Apiaceae	Ciclospermum leptophyllum	7439	U		N	48
Apiaceae	Conium maculatum	1107	U		N	1
Apiaceae	Daucus glochidiatus	1109	U		Y	104
Apiaceae	Eryngium plantagineum	1115	U		Y	1
Apiaceae	Foeniculum vulgare	1118	U		N	3
Apiaceae	Hydrocotyle laxiflora	1128	U		Y	69
Apiaceae	Hydrocotyle peduncularis	1130	U		Y	25
Apiaceae	Hydrocotyle tripartita	1132	U		Y	3
Apiaceae	Lilaeopsis polyantha	1134	U		Y	4
Apiaceae	Oreomyrrhis eriopoda	1138	U		Y	4
Apiaceae	Platysace ericoides	1143	U		Y	184
Apiaceae	Platysace lanceolata	1144	U		Y	1
Apiaceae	Platysace linearifolia	1145	U		Y	5
Apiaceae	Platysace sp. aff. linearifolia	10881	U		Y	12
Apiaceae	Torilis nodosa	1150	U		N	5
Apiaceae	Trachymene glaucifolia	1152	U		Y	1
Apiaceae	Trachymene incisa	1154	U		Y	4
Apiaceae	Trachymene incisa ssp corrugata	7007	U		Y	2
Apiaceae	Trachymene ochracea	1155	U		Y	2
Apocynaceae	Alstonia constricta	1164	U		Y	36
Apocynaceae	Carissa ovata	6380	U		Y	25
Apocynaceae	Parsonsia eucalyptophylla	1178	U		Y	47

Status codings; E1 = Endangered, V = Vulnerable, P13 = Protected, U = Unprotected. ROTAP codings; 3 = distribution > 100 kilometres, 2 = distribution up to 100 kilometres, R = rare, C = conserved, - = conservation status unknown, a = adequately conserved, I = inadequately conserved, K = poorly known. Native status; y = yes, N = no. Frequency = number of occurrances out of 2554 plots.

Apocynaceae	Parsonsia lanceolata	1181	U		Y	10
Araceae	Gymnostachys anceps	1195	U		Y	1
Araceae	Typhonium brownii	7155	U		Y	1
Araliaceae	Astrotricha longifolia	1205	U		Y	30
Araliaceae	Polyscias sambucifolia	1211	U		Y	4
Asclepiadaceae	Gomphocarpus fruticosus	1227	U		N	22
Asclepiadaceae	Gomphocarpus physocarpus	1228	U		N	1
Asclepiadaceae	Marsdenia australis	8908	U		Y	2
Asclepiadaceae	Marsdenia rostrata	1234	U		Y	3
Asclepiadaceae	Marsdenia viridiflora subsp viridiflora	10896	U		Y	30
Asclepiadaceae	Rhyncharrhena linearis	1237	U		Y	29
Asclepiadaceae	Sarcostemma australe	7119	U		Y	1
Asclepiadaceae	Tylophora barbata	1240	U		Y	15
Asparagaceae	Myrsiphyllum asparagoides	7853	U		N	1
Asphodelaceae	Asphodelus fistulosus	3524	U		N	2
Asphodelaceae	Bulbine bulbosa	3531	U		Y	12
Asphodelaceae	Bulbine semibarbata	3532	U		Y	71
Aspleniaceae	Asplenium flabellifolium	8033	U		Y	7
Aspleniaceae	Asplenium trichomanes	9259	U		Y	1
Aspleniaceae	Pleurosorus rutifolius	8040	U		Y	3
Asteraceae	Actinobole uliginosum	1253	U		Y	2
Asteraceae	Ammobium alatum	1263	U		Y	2
Asteraceae	Arctotheca calendula	1273	U		N	4
Asteraceae	Aster subulatus	1280	U		N	17
Asteraceae	Bidens bipinnata	6531	U		N	1
Asteraceae	Bidens pilosa	1283	U		N	17
Asteraceae	Bidens spp.	Bide	U		N	3
Asteraceae	Bidens subalternans	1284	U		N	21
Asteraceae	Brachyscome aculeata	7218	U		Y	1
Asteraceae	Brachyscome ciliaris var subintegrifolia	10403	U		Y	2

Status codings; E1 = Endangered, V = Vulnerable, P13 = Protected, U = Unprotected. ROTAP codings; 3 = distribution > 100 kilometres, 2 = distribution up to 100 kilometres, R = rare, C = conserved, - = conservation status unknown, a = adequately conserved, I = inadequately conserved, K = poorly known. Native status; y = yes, N = no. Frequency = number of occurrances out of 2554 plots.

Asteraceae	Brachyscome curvicarpa	6589	U		Y	3
Asteraceae	Brachyscome dissectifolia	7299	U		Y	4
Asteraceae	Brachyscome diversifolia	7492	U		Y	5
Asteraceae	Brachyscome diversifolia var dissecta	7244	U		Y	1
Asteraceae	Brachyscome formosa	7721	U		Y	9
Asteraceae	Brachyscome goniocarpa	7562	U		Y	50
Asteraceae	Brachyscome gracilis	6542	U	3RCa	Y	1
Asteraceae	Brachyscome heterodonta	6892	U		Y	8
Asteraceae	Brachyscome heterodonta var heterodonta	10406	U		Y	1
Asteraceae	Brachyscome microcarpa	6872	U		Y	40
Asteraceae	Brachyscome multifida	7317	U		Y	34
Asteraceae	Brachyscome multifida var multifida	10408	U		Y	30
Asteraceae	Brachyscome nova-anglica	7911	U		Y	1
Asteraceae	Brachyscome readeri	6873	U		Y	1
Asteraceae	Brachyscome species B	10402	U		Y	1
Asteraceae	Brachyscome trachycarpa	7674	U		Y	2
Asteraceae	Brachyscome whitei	7657	U		Y	3
Asteraceae	Bracteantha bracteata	8685	U		Y	90
Asteraceae	Bracteantha viscosa	8917	U		Y	58
Asteraceae	Calocephalus sonderi	1332	U		Y	5
Asteraceae	Calotis ancyrocarpa	1334	U		Y	1
Asteraceae	Calotis cuneata	1336	U		Y	13
Asteraceae	Calotis cuneata var cuneata	7173	U		Y	4
Asteraceae	Calotis cuneifolia	1337	U		Y	318
Asteraceae	Calotis dentex	1339	U		Y	4
Asteraceae	Calotis hispidula	1342	U		Y	13
Asteraceae	Calotis lappulacea	1344	U		Y	138
Asteraceae	Calotis scabiosifolia	1347	U		Y	1
Asteraceae	Calotis scabiosifolia var integrifolia	7934	U		Y	1
Asteraceae	Calotis scabiosifolia var scabiosifolia	7929	U		Y	2

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Asteraceae	Calotis scapigera	1348	U		Y	5
Asteraceae	Carduus pycnocephalus	1354	U		N	4
Asteraceae	Carthamus lanatus	1358	U		N	23
Asteraceae	Carthamus tinctorius	1359	U		N	4
Asteraceae	Cassinia arcuata	1362	U		Y	397
Asteraceae	Cassinia compacta	1364	U		Y	5
Asteraceae	Cassinia cunninghamii	1365	U		Y	2
Asteraceae	Cassinia laevis	1367	U		Y	80
Asteraceae	Cassinia quinquefaria	1370	U		Y	34
Asteraceae	Cassinia spp.	Casi	U		Y	3
Asteraceae	Cassinia trinerva	1374	U		Y	1
Asteraceae	Cassinia uncata	1375	U		Y	21
Asteraceae	Centaurea calcitrapa	1378	U		N	6
Asteraceae	Centaurea melitensis	1382	U		N	10
Asteraceae	Centaurea solstitialis	1383	U		N	12
Asteraceae	Centipeda cunninghamii	1384	U		Y	5
Asteraceae	Centipeda minima	7280	U		Y	5
Asteraceae	Centipeda minima var minima	9128	U		Y	3
Asteraceae	Centipeda racemosa	1385	U		Y	1
Asteraceae	Centipeda thespidioides	1386	U		Y	3
Asteraceae	Chondrilla juncea	1391	U		N	92
Asteraceae	Chrysocephalum apiculatum	8559	U		Y	279
Asteraceae	Chrysocephalum semicalvum ssp semicalvum	8914	U		Y	9
Asteraceae	Chrysocephalum semipapposum	8562	U		Y	59
Asteraceae	Cichorium intybus	1397	U		N	11
Asteraceae	Cirsium vulgare	1400	U		N	116
Asteraceae	Conyza albida	1402	U		N	135
Asteraceae	Conyza bilbaoana	1403	U		N	7
Asteraceae	Conyza bonariensis	1404	U		N	127
Asteraceae	Conyza canadensis var canadensis	10138	U		N	1

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Asteraceae	Conyza parva	1408	U		N	21
Asteraceae	Conyza spp.	Cony	U		N	21
Asteraceae	Cosmos bipinnatus	1410	U		N	1
Asteraceae	Cotula australis	1412	U		Y	2
Asteraceae	Cotula bipinnata	1413	U		N	2
Asteraceae	Craspedia spp.	Crap	U		Y	1
Asteraceae	Cymbonotus lawsonianus	1426	U		Y	37
Asteraceae	Cymbonotus preissianus	1427	U		Y	11
Asteraceae	Eclipta platyglossa	7903	U		Y	9
Asteraceae	Epaltes australis	7425	U		Y	18
Asteraceae	Epaltes cunninghamii	1438	U		Y	1
Asteraceae	Eriochlamys behrii	1445	U		Y	1
Asteraceae	Eriochlamys species A	10161	U		Y	4
Asteraceae	Euchiton gymnocephalus	9691	U		Y	70
Asteraceae	Euchiton involucratus	9904	U		Y	36
Asteraceae	Euchiton sphaericus	9690	U		Y	77
Asteraceae	Flaveria australasica	7236	U		Y	1
Asteraceae	Gamochaeta americana	10145	U		N	3
Asteraceae	Gamochaeta calviceps	10142	U		N	1
Asteraceae	Gamochaeta spicata	10144	U		N	2
Asteraceae	Glossogyne tannensis	8621	U		Y	66
Asteraceae	Gnaphalium coarctatum	10144	U		N	1
Asteraceae	Gnaphalium polycaulon	7316	U		Y	10
Asteraceae	Gnaphalium spp.	Gnap	U		Y	2
Asteraceae	Gnephosis tenuissima	6804	U		Y	32
Asteraceae	Hedypnois rhagadioloides ssp cretica	8913	U		N	20
Asteraceae	Helianthus annuus	1472	U		N	3
Asteraceae	Helichrysum collinum	1486	U		Y	28
Asteraceae	Helichrysum scorpioides	1503	U		Y	1
Asteraceae	Helichrysum semifertile	1505	U		Y	1

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Asteraceae	Hyalosperma glutinosum ssp glutinosum	9083	U		Y	1
Asteraceae	Hyalosperma semisterile	8515	U		Y	1
Asteraceae	Hypochaeris glabra	1540	U		N	264
Asteraceae	Hypochaeris microcephala var albiflora	8960	U		N	7
Asteraceae	Hypochaeris radicata	8788	U		N	227
Asteraceae	Ixiolaena brevicompta	1545	U		Y	1
Asteraceae	Ixiolaena leptolepis	1546	U		Y	5
Asteraceae	Ixiolaena tomentosa	1547	U		Y	10
Asteraceae	Lactuca saligna	1549	U		N	10
Asteraceae	Lactuca serriola	1550	U		N	49
Asteraceae	Lagenifera gracilis	6411	U		Y	14
Asteraceae	Lagenifera stipitata	1551	U		Y	17
Asteraceae	Microseris lanceolata	1566	U		Y	3
Asteraceae	Minuria integerrima	1573	U		Y	5
Asteraceae	Minuria leptophylla	1574	U		Y	1
Asteraceae	Olearia alpicola	1579	U		Y	5
Asteraceae	Olearia canescens	1585	U		Y	1
Asteraceae	Olearia decurrens	1589	U		Y	27
Asteraceae	Olearia elliptica	1590	U		Y	58
Asteraceae	Olearia microphylla	1601	U		Y	12
Asteraceae	Olearia pimeleoides	1608	U		Y	11
Asteraceae	Olearia ramosissima	1610	U		Y	5
Asteraceae	Olearia ramulosa	1611	U		Y	27
Asteraceae	Olearia spp.	Olea	U		Y	1
Asteraceae	Olearia viscidula	1618	U		Y	1
Asteraceae	Olearia viscosa	8385	U		Y	11
Asteraceae	Onopordum acanthium ssp acanthium	8884	U		N	12
Asteraceae	Ozothamnus adnatus	8705	U	3KC-	Y	1
Asteraceae	Ozothamnus diosmifolius	8557	U		Y	58
Asteraceae	Ozothamnus diotophyllus	9439	U		Y	1

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Asteraceae	Ozothamnus obcordatus	9999	U		Y	2
Asteraceae	Picris angustifolia	10683	U		Y	26
Asteraceae	Pluchea dentex	1628	U		Y	1
Asteraceae	Podolepis arachnoidea	1629	U		Y	4
Asteraceae	Podolepis jaceoides	1633	U		Y	25
Asteraceae	Podolepis neglecta	1636	U		Y	14
Asteraceae	Pseudognaphalium luteoalbum	7780	U		Y	22
Asteraceae	Pycnosorus globosus	8911	U		Y	16
Asteraceae	Rhodanthe anthemoides	8563	U		Y	4
Asteraceae	Rhodanthe corymbiflora	8919	U		Y	2
Asteraceae	Rhodanthe stuartiana	8922	U		Y	3
Asteraceae	Rhodanthe troedelii	8923	U		Y	1
Asteraceae	Schkuhria pinnata var abrotanoides	10166	U		N	5
Asteraceae	Scolymus maculatus	1650	U		N	3
Asteraceae	Senecio bipinnatisectus	1653	U		Y	1
Asteraceae	Senecio biserratus	1654	U		Y	4
Asteraceae	Senecio cunninghamii var cunninghamii	8627	U		Y	1
Asteraceae	Senecio diaschides	7914	U		Y	29
Asteraceae	Senecio glossanthus	1661	U		Y	7
Asteraceae	Senecio hispidulus	1664	U		Y	4
Asteraceae	Senecio hispidulus var dissectus	7984	U		Y	6
Asteraceae	Senecio lautus	1666	U		Y	10
Asteraceae	Senecio lautus ssp dissectifolius	7098	U		Y	29
Asteraceae	Senecio linearifolius	1667	U		Y	2
Asteraceae	Senecio madagascariensis	6465	U		N	4
Asteraceae	Senecio minimus	1671	U		Y	1
Asteraceae	Senecio quadridentatus	1675	U		Y	116
Asteraceae	Senecio runcinifolius	1676	U		Y	1
Asteraceae	Senecio species E	8615	U		Y	47
Asteraceae	Senecio spp.	Sene	U		Y	2

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Asteraceae	Sigesbeckia australiensis	8781	U		Y	33
Asteraceae	Sigesbeckia orientalis ssp orientalis	8789	U		Y	19
Asteraceae	Silybum marianum	1684	U		N	30
Asteraceae	Solenogyne bellioides	8253	U		Y	11
Asteraceae	Solenogyne gunnii	7398	U		Y	9
Asteraceae	Soliva anthemifolia	1686	U		N	1
Asteraceae	Sonchus asper ssp glaucescens	6513	U		N	17
Asteraceae	Sonchus oleraceus	1690	U		N	196
Asteraceae	Stuartina hamata	1693	U		Y	23
Asteraceae	Stuartina muelleri	1694	U		Y	6
Asteraceae	Tagetes minuta	1695	U		N	3
Asteraceae	Taraxacum officinale	1698	U		N	43
Asteraceae	Tolpis umbellata	1701	U		N	2
Asteraceae	Tragopogon porrifolius	1704	U		N	6
Asteraceae	Triptilodiscus pygmaeus	8925	U		Y	41
Asteraceae	Vernonia cinerea	7433	U		Y	65
Asteraceae	Vernonia cinerea var cinerea	9254	U		Y	40
Asteraceae	Vittadinia cervicularis	1709	U		Y	9
Asteraceae	Vittadinia cervicularis var cervicularis	7786	U		Y	46
Asteraceae	Vittadinia cervicularis var subcervicularis	7705	U		Y	9
Asteraceae	Vittadinia cuneata	1711	U		Y	66
Asteraceae	Vittadinia cuneata var cuneata	6737	U		Y	23
Asteraceae	Vittadinia cuneata var cuneata forma cuneata	9446	U		Y	3
Asteraceae	Vittadinia cuneata var hirsuta	6992	U		Y	7
Asteraceae	Vittadinia dissecta	1712	U		Y	29
Asteraceae	Vittadinia dissecta var hirta	7069	U		Y	99
Asteraceae	Vittadinia gracilis	1714	U		Y	2
Asteraceae	Vittadinia muelleri	1716	U		Y	54
Asteraceae	Vittadinia pterochaeta	1717	U		Y	13
Asteraceae	Vittadinia pustulata	1718	U		Y	7

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Asteraceae	Vittadinia spp.	Vitt	U		Y	11
Asteraceae	Vittadinia sulcata	1719	U		Y	122
Asteraceae	Vittadinia tenuissima	1720	U		Y	1
Asteraceae	Xanthium italicum	1727	U		N	2
Asteraceae	Xanthium occidentale	7130	U		N	28
Asteraceae	Xanthium orientale	1728	U		N	1
Asteraceae	Xanthium spinosum	1729	U		N	18
Asteraceae	Xanthium strumarium	7452	U		Y	4
Azollaceae	Azolla filiculoides var rubra	8048	U		Y	2
Bignoniaceae	Pandorea pandorana	1740	U		Y	35
Blechnaceae	Blechnum minus	7760	U		Y	4
Blechnaceae	Blechnum nudum	8058	U		Y	1
Blechnaceae	Doodia aspera	8064	U		Y	10
Blechnaceae	Doodia caudata	8065	U		Y	8
Boraginaceae	Austrocynoglossum latifolium	8667	U		Y	6
Boraginaceae	Buglossoides arvensis	8707	U		N	1
Boraginaceae	Cynoglossum australe	1747	U		Y	34
Boraginaceae	Cynoglossum suaveolens	1749	U		Y	1
Boraginaceae	Echium plantagineum	1751	U		N	14
Boraginaceae	Echium vulgare	1752	U		N	2
Boraginaceae	Ehretia membranifolia	1754	U		Y	12
Boraginaceae	Halgania brachyrhyncha	9267	U		Y	2
Boraginaceae	Halgania cyanea	1755	U		Y	2
Boraginaceae	Heliotropium amplexicaule	1758	U		N	3
Boraginaceae	Heliotropium europaeum	1761	U		N	1
Brassicaceae	Brassica nigra	1788	U		N	3
Brassicaceae	Brassica rapa ssp sylvestris	9732	U		N	1
Brassicaceae	Capsella bursa-pastoris	1794	U		N	1
Brassicaceae	Cardamine paucijuga	7746	U		Y	12
Brassicaceae	Coronopus didymus	1800	U		N	1

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Brassicaceae	Harmsiodoxa blennodioides	1811	U		Y	1
Brassicaceae	Hirschfeldia incana	1814	U		N	12
Brassicaceae	Lepidium africanum	1815	U		N	25
Brassicaceae	Lepidium bonariense	1817	U		N	2
Brassicaceae	Lepidium fasciculatum	1820	U		Y	3
Brassicaceae	Lepidium hyssopifolium	1822	E1	3ECi	Y	2
Brassicaceae	Lepidium monoplocoides	1824	E1	3ECi	Y	2
Brassicaceae	Lepidium muelleri-ferdinandi	1825	U		Y	1
Brassicaceae	Lepidium pseudohyssopifolium	6643	U		Y	51
Brassicaceae	Lepidium sagittulatum	1831	U		Y	2
Brassicaceae	Phlegmatospermum cochlearinum	1837	U		Y	2
Brassicaceae	Rapistrum rugosum	1841	U		N	54
Brassicaceae	Rorippa eustylis	1843	U		Y	3
Brassicaceae	Rorippa nasturtium-aquaticum	1848	U		N	3
Brassicaceae	Sisymbrium erysimoides	1852	U		N	1
Brassicaceae	Sisymbrium irio	1853	U		Y	7
Brassicaceae	Sisymbrium officinale	1854	U		N	1
Cactaceae	Cylindropuntia imbricata	1868	U		N	1
Cactaceae	Opuntia aurantiaca	1872	U		N	25
Cactaceae	Opuntia spp.	Opun	U		Y	10
Cactaceae	Opuntia stricta	1875	U		N	167
Cactaceae	Opuntia stricta var stricta	7659	U		N	46
Cactaceae	Opuntia tomentosa	7747	U		N	2
Campanulaceae	Wahlenbergia communis	1929	U		Y	111
Campanulaceae	Wahlenbergia fluminalis	1931	U		Y	48
Campanulaceae	Wahlenbergia gracilenta	1933	U		Y	86
Campanulaceae	Wahlenbergia gracilis	1934	U		Y	64
Campanulaceae	Wahlenbergia graniticola	1935	U		Y	1
Campanulaceae	Wahlenbergia luteola	7314	U		Y	24
Campanulaceae	Wahlenbergia planiflora	10110	U		Y	62

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Campanulaceae	Wahlenbergia planiflora ssp longipila	8735	U		Y	86
Campanulaceae	Wahlenbergia planiflora ssp planiflora	8281	U		Y	73
Campanulaceae	Wahlenbergia spp.	Wahl	U		Y	18
Campanulaceae	Wahlenbergia stricta	1938	U		Y	38
Campanulaceae	Wahlenbergia stricta ssp alterna	8495	U		Y	44
Campanulaceae	Wahlenbergia stricta ssp stricta	8708	U		Y	63
Campanulaceae	Wahlenbergia tumidifructa	7883	U		Y	2
Capparaceae	Apophyllum anomalum	1942	U		Y	42
Capparaceae	Capparis lasiantha	6374	U		Y	26
Capparaceae	Capparis mitchellii	1945	U		Y	65
Caryophyllaceae	Arenaria leptoclados	7154	U		Y	6
Caryophyllaceae	Arenaria serpyllifolia	1958	U		N	6
Caryophyllaceae	Cerastium glomeratum	1960	U		N	3
Caryophyllaceae	Cerastium vulgare	10550	U		N	2
Caryophyllaceae	Gypsophila tubulosa	9031	U		Y	10
Caryophyllaceae	Paronychia brasiliana	1974	U		N	6
Caryophyllaceae	Petrorhagia nanteuilii	7584	U		N	44
Caryophyllaceae	Petrorhagia velutina	1976	U		N	10
Caryophyllaceae	Polycarpaea corymbosa	9668	U		Y	1
Caryophyllaceae	Polycarpaea corymbosa var minor	9668	U		Y	7
Caryophyllaceae	Polycarpon tetraphyllum	1979	U		N	38
Caryophyllaceae	Scleranthus biflorus	1985	U		Y	7
Caryophyllaceae	Scleranthus pungens	1988	U		Y	2
Caryophyllaceae	Silene gallica	1991	U		N	1
Caryophyllaceae	Spergula arvensis	1996	U		N	1
Caryophyllaceae	Spergula pentandra	1997	U		N	1
Caryophyllaceae	Spergularia rubra	2001	U		N	1
Caryophyllaceae	Stellaria angustifolia	2002	U		Y	7
Caryophyllaceae	Stellaria flaccida	2004	U		Y	7
Caryophyllaceae	Stellaria media	2006	U		N	12

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Caryophyllaceae	Stellaria multiflora	2007	U		Y	5
Caryophyllaceae	Stellaria pungens	2008	U		Y	24
Caryophyllaceae	Stellaria species D	9805	U		Y	2
Casuarinaceae	Allocasuarina diminuta	9711	U		Y	81
Casuarinaceae	Allocasuarina diminuta ssp diminuta	8370	U		Y	93
Casuarinaceae	Allocasuarina distyla	2010	U		Y	8
Casuarinaceae	Allocasuarina gymnanthera	8551	U		Y	23
Casuarinaceae	Allocasuarina inophloia	2011	U		Y	1
Casuarinaceae	Allocasuarina luehmannii	2013	U		Y	269
Casuarinaceae	Allocasuarina torulosa	2017	U		Y	8
Casuarinaceae	Allocasuarina verticillata	2018	U		Y	1
Casuarinaceae	Casuarina cristata	2019	U		Y	84
Casuarinaceae	Casuarina cunninghamiana ssp cunninghamiana	9006	P13		Y	33
Celastraceae	Cassine australis	6583	U		Y	20
Celastraceae	Cassine australis var angustifolia	6911	U		Y	8
Celastraceae	Celastrus australis	2026	U		Y	4
Celastraceae	Celastrus subspicata	6794	U		Y	2
Celastraceae	Maytenus cunninghamii	2033	U		Y	90
Centrolepidaceae	Centrolepis eremica	10340	U		Y	2
Centrolepidaceae	Centrolepis strigosa ssp strigosa	8807	U		Y	35
Chenopodiaceae	Atriplex leptocarpa	6368	U		Y	5
Chenopodiaceae	Atriplex pseudocampanulata	2066	U		Y	1
Chenopodiaceae	Atriplex semibaccata	2070	U		Y	11
Chenopodiaceae	Atriplex spinibractea	2071	U		Y	16
Chenopodiaceae	Atriplex suberecta	2075	U		Y	1
Chenopodiaceae	Atriplex vesicaria	2078	U		Y	1
Chenopodiaceae	Chenopodium album	2084	U		N	12
Chenopodiaceae	Chenopodium ambrosioides	2085	U		N	1
Chenopodiaceae	Chenopodium auricomum	2087	U		Y	5
Chenopodiaceae	Chenopodium carinatum	2088	U		Y	2

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Chenopodiaceae	Chenopodium cristatum	2089	U		Y	1
Chenopodiaceae	Chenopodium curvispicatum	2090	U		Y	2
Chenopodiaceae	Chenopodium desertorum ssp desertorum	7916	U		Y	12
Chenopodiaceae	Chenopodium desertorum ssp microphyllum	6779	U		Y	2
Chenopodiaceae	Chenopodium melanocarpum	2095	U		Y	2
Chenopodiaceae	Chenopodium multifidum	2096	U		N	1
Chenopodiaceae	Chenopodium pumilio	2099	U		Y	9
Chenopodiaceae	Dysphania glomulifera	2104	U		Y	1
Chenopodiaceae	Einadia hastata	2110	U		Y	78
Chenopodiaceae	Einadia nutans	2111	U		Y	46
Chenopodiaceae	Einadia nutans ssp linifolia	6481	U		Y	21
Chenopodiaceae	Einadia nutans ssp nutans	6482	U		Y	166
Chenopodiaceae	Einadia polygonoides	2112	U		Y	10
Chenopodiaceae	Einadia spp.	Eina	U		Y	1
Chenopodiaceae	Einadia trigonos	2113	U		Y	61
Chenopodiaceae	Einadia trigonos ssp leiocarpa	7489	U		Y	5
Chenopodiaceae	Einadia trigonos ssp stellulata	7909	U		Y	4
Chenopodiaceae	Enchylaena tomentosa	2114	U		Y	95
Chenopodiaceae	Maireana aphylla	2119	U		Y	4
Chenopodiaceae	Maireana brevifolia	2122	U		Y	2
Chenopodiaceae	Maireana coronata	2126	U		Y	4
Chenopodiaceae	Maireana decalvans	2127	U		Y	2
Chenopodiaceae	Maireana enchylaenoides	2128	U		Y	1
Chenopodiaceae	Maireana microcarpa	2137	U		Y	4
Chenopodiaceae	Maireana microphylla	2138	U		Y	27
Chenopodiaceae	Maireana pentagona	2140	U		Y	2
Chenopodiaceae	Maireana spp.	Mair	U		Y	2
Chenopodiaceae	Rhagodia parabolica	2160	U		Y	3
Chenopodiaceae	Rhagodia spinescens	2161	U		Y	50
Chenopodiaceae	Rhagodia spp.	Rhag	U		Y	1

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Chenopodiaceae	Salsola kali	2163	U		Y	11
Chenopodiaceae	Salsola kali var kali	7923	U		Y	5
Chenopodiaceae	Sclerolaena bicornis	2169	U		Y	1
Chenopodiaceae	Sclerolaena bicornis var horrida	7321	U		Y	2
Chenopodiaceae	Sclerolaena birchii	2170	U		Y	42
Chenopodiaceae	Sclerolaena calcarata	2172	U		Y	1
Chenopodiaceae	Sclerolaena convexula	2174	U		Y	1
Chenopodiaceae	Sclerolaena decurrens	2176	U		Y	3
Chenopodiaceae	Sclerolaena diacantha	2177	U		Y	15
Chenopodiaceae	Sclerolaena divaricata	2178	U		Y	7
Chenopodiaceae	Sclerolaena intricata	2180	U		Y	1
Chenopodiaceae	Sclerolaena longicuspis	2184	U		Y	1
Chenopodiaceae	Sclerolaena muricata	2185	U		Y	18
Chenopodiaceae	Sclerolaena muricata var muricata	7570	U		Y	6
Chenopodiaceae	Sclerolaena muricata var semiglabra	7656	U		Y	4
Chenopodiaceae	Sclerolaena muricata var villosa	7799	U		Y	4
Chenopodiaceae	Sclerolaena spp.	Sclr	U		Y	2
Chenopodiaceae	Sclerolaena stelligera	6750	U		Y	1
Chenopodiaceae	Sclerolaena tetracuspis	2191	U		Y	13
Chenopodiaceae	Sclerolaena tricuspis	2192	U		Y	1
Chloanthaceae	Chloanthes parviflora	6242	U		Y	85
Chloanthaceae	Spartothamnella juncea	6254	U		Y	26
Chloanthaceae	Spartothamnella puberula	6255	U		Y	6
Clusiaceae	Hypericum gramineum	7240	U		Y	166
Clusiaceae	Hypericum japonicum	2203	U		Y	10
Clusiaceae	Hypericum perforatum	2204	U		N	8
Colchicaceae	Wurmbea dioica ssp dioica	7699	U		Y	1
Commelinaceae	Aneilema acuminatum	2206	U		Y	5
Commelinaceae	Commelina cyanea	2209	U		Y	64
Commelinaceae	Commelina ensifolia	6954	U		Y	1

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Commelinaceae	Murdannia graminea	6788	U		Y	11
Convolvulaceae	Calystegia marginata	2215	U		Y	2
Convolvulaceae	Convolvulus arvensis	2219	U		N	1
Convolvulaceae	Convolvulus erubescens	2220	U		Y	23
Convolvulaceae	Convolvulus remotus	7697	U		Y	6
Convolvulaceae	Convolvulus spp.	Conv	U		Y	2
Convolvulaceae	Cuscuta australis	2286	U		Y	1
Convolvulaceae	Cuscuta campestris	2287	U		N	11
Convolvulaceae	Dichondra repens	2222	U		Y	178
Convolvulaceae	Dichondra sp.A	8727	U		Y	114
Convolvulaceae	Evolvulus alsinoides	2223	U		Y	19
Convolvulaceae	Evolvulus alsinoides var decumbens	8278	U		Y	92
Convolvulaceae	Evolvulus alsinoides var villosicalyx	6938	U		Y	7
Convolvulaceae	Polymeria longifolia	2232	U		Y	2
Convolvulaceae	Polymeria pusilla	9806	U		Y	2
Crassulaceae	Bryophyllum delagoense	8813	U		N	1
Crassulaceae	Crassula colorata	2237	U		Y	4
Crassulaceae	Crassula decumbens var decumbens	7745	U		Y	1
Crassulaceae	Crassula sieberiana	2242	U		Y	57
Cucurbitaceae	Citrullus lanatus var lanatus	9436	U		N	2
Cucurbitaceae	Cucumis myriocarpus	2254	U		N	1
Cucurbitaceae	Sicyos australis	2261	U		Y	2
Cucurbitaceae	Zehneria cunninghamii	2263	U		Y	1
Cupressaceae	Callitris columellaris	2278	U		Y	1
Cupressaceae	Callitris endlicheri	2279	U		Y	396
Cupressaceae	Callitris glaucophylla	6379	U		Y	524
Cyatheaceae	Cyathea australis	8074	P13		Y	2
Cyperaceae	Baumea juncea	2299	U		Y	2
Cyperaceae	Bolboschoenus fluviatilis	2306	U		Y	6
Cyperaceae	Bulbostylis barbata	7748	U		Y	11

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Cyperaceae	Bulbostylis densa	2308	U		Y	1
Cyperaceae	Carex appressa	2310	U		Y	15
Cyperaceae	Carex bichenoviana	2311	U		Y	1
Cyperaceae	Carex breviculmis	2313	U		Y	39
Cyperaceae	Carex chlorantha	2318	U		Y	1
Cyperaceae	Carex declinata	2319	U		Y	1
Cyperaceae	Carex fascicularis	2321	U		Y	1
Cyperaceae	Carex incomitata	7898	U		Y	14
Cyperaceae	Carex inversa	2327	U		Y	89
Cyperaceae	Carex tereticaulis	2337	U		Y	1
Cyperaceae	Cyperus aggregatus	8845	U		N	1
Cyperaceae	Cyperus alterniflorus	2349	U		Y	2
Cyperaceae	Cyperus betchei subsp betchei	10331	U		Y	2
Cyperaceae	Cyperus bifax	2351	U		Y	12
Cyperaceae	Cyperus castaneus	7790	U		Y	1
Cyperaceae	Cyperus concinnus	2357	U		Y	5
Cyperaceae	Cyperus conicus	6693	E1		Y	1
Cyperaceae	Cyperus difformis	7143	U		Y	2
Cyperaceae	Cyperus eragrostis	2364	U		N	12
Cyperaceae	Cyperus exaltatus	2366	U		Y	10
Cyperaceae	Cyperus flaccidus	2368	U		Y	4
Cyperaceae	Cyperus fulvus	2372	U		Y	100
Cyperaceae	Cyperus gracilis	2374	U		Y	209
Cyperaceae	Cyperus gunnii ssp gunnii	9145	U		Y	3
Cyperaceae	Cyperus gymnocaulos	2376	U		Y	1
Cyperaceae	Cyperus leiocaulon	2381	U		Y	2
Cyperaceae	Cyperus lucidus	2383	U		Y	16
Cyperaceae	Cyperus papyrus	2386	U		N	1
Cyperaceae	Cyperus polystachyos	8483	U		Y	1
Cyperaceae	Cyperus pygmaeus	2390	U		Y	1

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Cyperaceae	Cyperus rotundus	2393	U		N	4
Cyperaceae	Cyperus sanguinolentus	2395	U		Y	9
Cyperaceae	Cyperus sphaeroideus	2399	U		Y	5
Cyperaceae	Cyperus spp.	Cype	U		Y	7
Cyperaceae	Cyperus squarrosus	6625	U		Y	1
Cyperaceae	Cyperus subulatus	2402	U		Y	7
Cyperaceae	Cyperus vaginatus	7617	U		Y	11
Cyperaceae	Cyperus victoriensis	2407	U		Y	4
Cyperaceae	Eleocharis acuta	2408	U		Y	1
Cyperaceae	Eleocharis blakeana	2410	U	3RC-	Y	1
Cyperaceae	Eleocharis dietrichiana	2412	U		Y	3
Cyperaceae	Eleocharis gracilis	2414	U		Y	1
Cyperaceae	Eleocharis pallens	2418	U		Y	8
Cyperaceae	Eleocharis plana	2421	U		Y	5
Cyperaceae	Eleocharis pusilla	2422	U		Y	4
Cyperaceae	Fimbristylis dichotoma	7435	U		Y	110
Cyperaceae	Fimbristylis neilsonii	7406	U		Y	32
Cyperaceae	Fuirena incrassata	2430	U		Y	5
Cyperaceae	Gahnia aspera	2431	U		Y	278
Cyperaceae	Isolepis australiensis	2447	U		Y	2
Cyperaceae	Isolepis cernua	2448	U		Y	1
Cyperaceae	Isolepis hookeriana	2452	U		Y	2
Cyperaceae	Isolepis inundata	2454	U		Y	2
Cyperaceae	Isolepis victoriensis	2464	U		Y	1
Cyperaceae	Lepidosperma laterale	6402	U		Y	218
Cyperaceae	Lepidosperma viscidium	6405	U		Y	1
Cyperaceae	Lipocarpha microcephala	6742	U		Y	5
Cyperaceae	Schoenoplectus validus	2490	U		Y	7
Cyperaceae	Schoenus apogon	2491	U		Y	41
Cyperaceae	Schoenus centralis	9683	U		Y	16

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Cyperaceae	Schoenus ericetorum	2495	U		Y	127
Cyperaceae	Schoenus kennyi	2497	U		Y	46
Cyperaceae	Schoenus latelaminatus	2498	U		Y	3
Cyperaceae	Schoenus moorei	2501	U		Y	24
Cyperaceae	Scleria mackaviensis	2514	U		Y	23
Davalliaceae	Davallia solida var pyxidata	10647	U		Y	4
Dennstaedtiaceae	Hypolepis glandulifera	7385	U		Y	4
Dennstaedtiaceae	Pteridium esculentum	6403	U		Y	45
Dicksoniaceae	Calochlaena dubia	8341	U		Y	13
Dilleniaceae	Hibbertia acicularis	2526	U		Y	14
Dilleniaceae	Hibbertia circumdans	8349	U		Y	7
Dilleniaceae	Hibbertia covenyana	9870	U		Y	49
Dilleniaceae	Hibbertia incana	9696	U		Y	58
Dilleniaceae	Hibbertia linearis	2539	U		Y	1
Dilleniaceae	Hibbertia monogyna	2540	U		Y	12
Dilleniaceae	Hibbertia obtusifolia	2542	U		Y	404
Dilleniaceae	Hibbertia riparia	2545	U		Y	79
Dilleniaceae	Hibbertia scandens	2548	U		Y	11
Dilleniaceae	Hibbertia serpyllifolia	2550	U		Y	7
Dilleniaceae	Hibbertia species B	9565	U		Y	1
Droseraceae	Drosera auriculata	2556	U		Y	6
Droseraceae	Drosera burmanni	7311	U		Y	6
Droseraceae	Drosera glanduligera	2558	U		Y	4
Droseraceae	Drosera indica	7329	U		Y	3
Droseraceae	Drosera peltata	2559	U		Y	11
Droseraceae	Drosera spp.	Dros	U		Y	1
Dryopteridaceae	Lastreopsis acuminata	8014	U		Y	1
Dryopteridaceae	Polystichum fallax	8024	U		Y	5
Dryopteridaceae	Polystichum proliferum	8027	U		Y	4
Ebenaceae	Diospyros australis	2562	U		Y	2

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Epacridaceae	Acrotriche rigida	2582	U		Y	12
Epacridaceae	Acrotriche serrulata	2583	U		Y	7
Epacridaceae	Astroloma humifusum	2584	U		Y	49
Epacridaceae	Brachyloma daphnoides	2586	U		Y	334
Epacridaceae	Brachyloma daphnoides subsp daphnoides	10689	U		Y	1
Epacridaceae	Brachyloma daphnoides subsp pubescens	10691	U		Y	38
Epacridaceae	Epacris spp.	Epac	U		Y	2
Epacridaceae	Leucopogon attenuatus	2612	U		Y	41
Epacridaceae	Leucopogon biflorus	2613	U		Y	34
Epacridaceae	Leucopogon hookeri	2622	U		Y	5
Epacridaceae	Leucopogon lanceolatus	2624	U		Y	7
Epacridaceae	Leucopogon microphyllus	2629	U		Y	1
Epacridaceae	Leucopogon muticus	2630	U		Y	109
Epacridaceae	Leucopogon parviflorus	2632	U		Y	2
Epacridaceae	Leucopogon spp.	Leuc	U		Y	4
Epacridaceae	Leucopogon virgatus	2639	U		Y	3
Epacridaceae	Lissanthe strigosa	2642	U		Y	97
Epacridaceae	Lissanthe strigosa subsp strigosa	10713	U		Y	2
Epacridaceae	Lissanthe strigosa subsp subuluta	10714	U		Y	4
Epacridaceae	Melichrus erubescens	2644	U		Y	34
Epacridaceae	Melichrus sp. aff. erubescens	10883	U		Y	4
Epacridaceae	Melichrus urceolatus	2646	U		Y	460
Epacridaceae	Monotoca scoparia	2649	U		Y	42
Epacridaceae	Styphelia triflora	2660	U		Y	187
Eriocaulaceae	Eriocaulon scariosum	2670	U		Y	3
Euphorbiaceae	Acalypha capillipes	2673	U		Y	2
Euphorbiaceae	Adriana tomentosa var tomentosa	10564	U		Y	2
Euphorbiaceae	Bertya cunninghamii	2681	U		Y	1
Euphorbiaceae	Bertya gummifera	2683	U		Y	9
Euphorbiaceae	Bertya oblonga	2686	U		Y	2

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Euphorbiaceae	Bertya oleifolia	2687	U		Y	3
Euphorbiaceae	Bertya sp. A Coolabah-Cobar	8548	V		Y	2
Euphorbiaceae	Bertya species D	9898	U		Y	1
Euphorbiaceae	Bertya spp.	Bert	U		Y	6
Euphorbiaceae	Beyeria viscosa	2694	U		Y	49
Euphorbiaceae	Breynia oblongifolia	2695	U		Y	21
Euphorbiaceae	Chamaesyce dallachyana	9193	U		Y	15
Euphorbiaceae	Chamaesyce drummondii	8560	U		Y	130
Euphorbiaceae	Chamaesyce species A	9131	U		Y	4
Euphorbiaceae	Claoxylon australe	2698	U		Y	5
Euphorbiaceae	Croton insularis	2703	U		Y	4
Euphorbiaceae	Croton phebalioides	2704	U		Y	1
Euphorbiaceae	Euphorbia eremophila	2713	U		Y	4
Euphorbiaceae	Euphorbia lathyrus	2716	U		N	2
Euphorbiaceae	Micrantheum ericoides	2736	U		Y	4
Euphorbiaceae	Monotaxis macrophylla	2739	E1		Y	1
Euphorbiaceae	Omalanthus populifolius	2740	U		Y	2
Euphorbiaceae	Petalostigma pubescens	6396	U		Y	4
Euphorbiaceae	Phyllanthus carpentariae	10561	U		Y	2
Euphorbiaceae	Phyllanthus gunnii	2746	U		Y	1
Euphorbiaceae	Phyllanthus hirtellus	8216	U		Y	44
Euphorbiaceae	Phyllanthus subcrenulatus	2750	U		Y	10
Euphorbiaceae	Phyllanthus tenellus	2751	U		N	1
Euphorbiaceae	Phyllanthus virgatus	6751	U		Y	106
Euphorbiaceae	Poranthera corymbosa	2753	U		Y	3
Euphorbiaceae	Poranthera microphylla	7395	U		Y	193
Euphorbiaceae	Pseudanthus divaricatissimus	2755	U	3RCa	Y	2
Euphorbiaceae	Ricinocarpos bowmanii	2758	U		Y	91
Euphorbiaceae	Ricinus communis	2761	U		N	2
Euphorbiaceae	Sauropus hirtellus	9834	U		Y	3

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Fabaceae	Indigofera signata	8383	U		Y	1
Fabaceae (Caesalpinioideae)	Gleditsia triacanthos	1901	U		N	2
Fabaceae (Caesalpinioideae)	Senna artemisioides	8491	U		Y	10
Fabaceae (Caesalpinioideae)	Senna artemisioides noth artemisioides	8497	U		Y	2
Fabaceae (Caesalpinioideae)	Senna artemisioides ssp zygophylla	8494	U		Y	19
Fabaceae (Caesalpinioideae)	Senna barclayana	6644	U		Y	1
Fabaceae (Caesalpinioideae)	Senna coronilloides	8240	U		Y	4
Fabaceae (Caesalpinioideae)	Senna occidentalis	7090	U		N	7
Fabaceae (Caesalpinioideae)	Senna septemtrionalis	10505	U		N	9
Fabaceae (Faboideae)	Aotus mollis	2772	U		Y	63
Fabaceae (Faboideae)	Aotus subglauca	2773	U		Y	3
Fabaceae (Faboideae)	Aotus subglauca ssp subglauca	8741	U		Y	7
Fabaceae (Faboideae)	Aotus subglauca var filiformis	7926	U		Y	16
Fabaceae (Faboideae)	Bossiaea foliosa	2779	U		Y	1
Fabaceae (Faboideae)	Bossiaea obcordata	2784	U		Y	5
Fabaceae (Faboideae)	Bossiaea rhombifolia	2787	U		Y	36
Fabaceae (Faboideae)	Bossiaea rhombifolia ssp concolor	10086	U		Y	23
Fabaceae (Faboideae)	Bossiaea rhombifolia ssp rhombifolia	8792	U		Y	1
Fabaceae (Faboideae)	Bossiaea scortechinii	2790	U		Y	2
Fabaceae (Faboideae)	Chorizema parviflorum	2797	U		Y	3
Fabaceae (Faboideae)	Crotalaria mitchellii	2807	U		Y	6
Fabaceae (Faboideae)	Crotalaria mitchellii ssp mitchellii	6664	U		Y	6
Fabaceae (Faboideae)	Cullen tenax	10674	U		Y	8
Fabaceae (Faboideae)	Daviesia acicularis	2816	U		Y	32
Fabaceae (Faboideae)	Daviesia genistifolia	2822	U		Y	31
Fabaceae (Faboideae)	Daviesia mimosoides ssp mimosoides	7211	U		Y	1
Fabaceae (Faboideae)	Daviesia nova-anglica	8774	U		Y	3
Fabaceae (Faboideae)	Daviesia pubigera	2825	U		Y	14
Fabaceae (Faboideae)	Daviesia ulicifolia	2827	U		Y	45
Fabaceae (Faboideae)	Daviesia villifera	8592	U		Y	1

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Fabaceae (Faboideae)	Desmodium brachypodum	2834	U		Y	146
Fabaceae (Faboideae)	Desmodium varians	2840	U		Y	189
Fabaceae (Faboideae)	Dillwynia cinerascens	2842	U		Y	1
Fabaceae (Faboideae)	Dillwynia juniperina	2846	U		Y	35
Fabaceae (Faboideae)	Dillwynia retorta	2850	U		Y	3
Fabaceae (Faboideae)	Dillwynia sericea	2851	U		Y	73
Fabaceae (Faboideae)	Dillwynia sieberi	8734	U		Y	5
Fabaceae (Faboideae)	Dillwynia spp.	Dill	U		Y	4
Fabaceae (Faboideae)	Glycine canescens	2859	U		Y	54
Fabaceae (Faboideae)	Glycine clandestina	2860	U		Y	158
Fabaceae (Faboideae)	Glycine latifolia	8522	U		Y	1
Fabaceae (Faboideae)	Glycine sp.A	8673	U		Y	2
Fabaceae (Faboideae)	Glycine spp.	Glyc	U		Y	41
Fabaceae (Faboideae)	Glycine tabacina	2861	U		Y	176
Fabaceae (Faboideae)	Glycine tomentella	7844	U		Y	5
Fabaceae (Faboideae)	Gompholobium foliosum	6928	U		Y	7
Fabaceae (Faboideae)	Gompholobium virgatum	2870	U		Y	5
Fabaceae (Faboideae)	Gompholobium virgatum var aspalathoides	7259	U		Y	5
Fabaceae (Faboideae)	Hardenbergia violacea	2873	U		Y	145
Fabaceae (Faboideae)	Hovea lanceolata	2875	U		Y	78
Fabaceae (Faboideae)	Hovea linearis	2876	U		Y	3
Fabaceae (Faboideae)	Hovea longipes	2878	U		Y	4
Fabaceae (Faboideae)	Hovea purpurea	2880	U		Y	1
Fabaceae (Faboideae)	Hovea rosmarinifolia	2881	U		Y	1
Fabaceae (Faboideae)	Hovea spp.	Hove	U		Y	1
Fabaceae (Faboideae)	Indigofera adesmiifolia	7544	U		Y	19
Fabaceae (Faboideae)	Indigofera australis	2882	U		Y	25
Fabaceae (Faboideae)	Indigofera brevidens	2884	U		Y	8
Fabaceae (Faboideae)	Indigofera coronillifolia	2885	U		Y	4
Fabaceae (Faboideae)	Jacksonia scoparia	2892	U		Y	26

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Fabaceae (Faboideae)	Kennedia procurrens	2895	U		Y	10
Fabaceae (Faboideae)	Lespedeza juncea ssp sericea	8690	U		Y	5
Fabaceae (Faboideae)	Lotus australis	2906	U		Y	4
Fabaceae (Faboideae)	Lotus corniculatus	2907	U		N	1
Fabaceae (Faboideae)	Lotus cruentus	2908	U		Y	7
Fabaceae (Faboideae)	Medicago laciniata	2918	U		N	10
Fabaceae (Faboideae)	Medicago lupulina	2919	U		N	6
Fabaceae (Faboideae)	Medicago minima	2920	U		N	14
Fabaceae (Faboideae)	Medicago orbicularis	2921	U		N	2
Fabaceae (Faboideae)	Medicago polymorpha	2922	U		N	52
Fabaceae (Faboideae)	Medicago sativa	2924	U		Y	4
Fabaceae (Faboideae)	Medicago truncatula	2926	U		N	1
Fabaceae (Faboideae)	Melilotus indicus	2928	U		Y	13
Fabaceae (Faboideae)	Millettia megasperma	7214	U		Y	1
Fabaceae (Faboideae)	Mirbelia pungens	2937	U		Y	29
Fabaceae (Faboideae)	Podolobium ilicifolium	9912	U		Y	3
Fabaceae (Faboideae)	Pultenaea boormanii	2978	U		Y	19
Fabaceae (Faboideae)	Pultenaea cinerascens	8517	U		Y	123
Fabaceae (Faboideae)	Pultenaea cunninghamii	2984	U		Y	12
Fabaceae (Faboideae)	Pultenaea foliolosa	2994	U		Y	99
Fabaceae (Faboideae)	Pultenaea microphylla	3003	U		Y	6
Fabaceae (Faboideae)	Pultenaea petiolaris	3009	U		Y	4
Fabaceae (Faboideae)	Pultenaea polifolia	3011	U		Y	1
Fabaceae (Faboideae)	Pultenaea retusa	3014	U		Y	1
Fabaceae (Faboideae)	Pultenaea species C	10081	U		Y	13
Fabaceae (Faboideae)	Pultenaea species G	9215	U		Y	4
Fabaceae (Faboideae)	Pultenaea species I	10084	U		Y	2
Fabaceae (Faboideae)	Pultenaea spp.	Pult	U		Y	2
Fabaceae (Faboideae)	Pultenaea villosa	3023	U		Y	1
Fabaceae (Faboideae)	Rhynchosia minima	7304	U		Y	2

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Fabaceae (Faboideae)	Robinia pseudoacacia	3028	U		N	1
Fabaceae (Faboideae)	Sesbania cannabina var cannabina	7462	U		Y	3
Fabaceae (Faboideae)	Swainsona affinis	9998	U		Y	8
Fabaceae (Faboideae)	Swainsona behriana	8564	U		Y	1
Fabaceae (Faboideae)	Swainsona cadellii	10070	U		Y	12
Fabaceae (Faboideae)	Swainsona galegifolia	3041	U		Y	64
Fabaceae (Faboideae)	Swainsona greyana	3042	U		Y	7
Fabaceae (Faboideae)	Swainsona laxa	8530	U		Y	1
Fabaceae (Faboideae)	Swainsona microphylla	3046	U		Y	1
Fabaceae (Faboideae)	Swainsona murrayana	3048	V	3VCi	Y	1
Fabaceae (Faboideae)	Swainsona spp.	Swai	U		Y	3
Fabaceae (Faboideae)	Swainsonia queenslandica	9228	U		Y	1
Fabaceae (Faboideae)	Templetonia stenophylla	3063	U		Y	16
Fabaceae (Faboideae)	Trifolium angustifolium	3072	U		N	5
Fabaceae (Faboideae)	Trifolium arvense	3073	U		N	27
Fabaceae (Faboideae)	Trifolium campestre	3074	U		N	21
Fabaceae (Faboideae)	Trifolium glomeratum	3079	U		N	11
Fabaceae (Faboideae)	Trifolium repens	3085	U		N	33
Fabaceae (Faboideae)	Trifolium resupinatum	3086	U		N	1
Fabaceae (Faboideae)	Trifolium subterraneum	3089	U		N	1
Fabaceae (Faboideae)	Trifolium tomentosum	3091	U		N	3
Fabaceae (Faboideae)	Vicia monantha	3096	U		N	1
Fabaceae (Faboideae)	Vicia sativa	3097	U		N	3
Fabaceae (Faboideae)	Vicia sativa ssp angustifolia	8793	U		N	1
Fabaceae (Faboideae)	Vicia sativa ssp sativa	8794	U		N	1
Fabaceae (Faboideae)	Vicia tetrasperma	3098	U		N	2
Fabaceae (Faboideae)	Vicia villosa	3099	U		N	4
Fabaceae (Faboideae)	Zornia dyctiocarpa var dyctiocarpa	8691	U		Y	7
Fabaceae (Faboideae)	Zornia floribunda	9238	U		Y	1
Fabaceae (Faboideae)	Zornia spp.	Zorn	U		Y	1

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Fabaceae (Mimosoideae)	Acacia amblygona	3703	U		Y	5
Fabaceae (Mimosoideae)	Acacia baileyana	3710	U		Y	1
Fabaceae (Mimosoideae)	Acacia betchei	3715	U		Y	1
Fabaceae (Mimosoideae)	Acacia blakei subsp diphylla	10788	U		Y	5
Fabaceae (Mimosoideae)	Acacia burrowii	3726	U		Y	24
Fabaceae (Mimosoideae)	Acacia buxifolia	3727	U		Y	102
Fabaceae (Mimosoideae)	Acacia buxifolia ssp buxifolia	6691	U		Y	15
Fabaceae (Mimosoideae)	Acacia buxifolia ssp pubiflora	9282	U		Y	1
Fabaceae (Mimosoideae)	Acacia caesiella	3729	U		Y	3
Fabaceae (Mimosoideae)	Acacia calamifolia	3730	U		Y	4
Fabaceae (Mimosoideae)	Acacia cardiophylla	3733	U		Y	4
Fabaceae (Mimosoideae)	Acacia caroleae	3735	U		Y	83
Fabaceae (Mimosoideae)	Acacia cheelii	3738	U		Y	43
Fabaceae (Mimosoideae)	Acacia conferta	3746	U		Y	32
Fabaceae (Mimosoideae)	Acacia crassa ssp crassa	7026	U		Y	1
Fabaceae (Mimosoideae)	Acacia cultriformis	3754	U		Y	13
Fabaceae (Mimosoideae)	Acacia dealbata	3758	U		Y	19
Fabaceae (Mimosoideae)	Acacia deanei	3759	U		Y	94
Fabaceae (Mimosoideae)	Acacia deanei ssp paucijuga	7482	U		Y	148
Fabaceae (Mimosoideae)	Acacia debilis	3760	U		Y	3
Fabaceae (Mimosoideae)	Acacia decora	3761	U		Y	23
Fabaceae (Mimosoideae)	Acacia doratoxylon	3765	U		Y	62
Fabaceae (Mimosoideae)	Acacia dorothea	3766	U		Y	1
Fabaceae (Mimosoideae)	Acacia elongata	3769	U		Y	2
Fabaceae (Mimosoideae)	Acacia excelsa	3770	U		Y	6
Fabaceae (Mimosoideae)	Acacia farnesiana	6376	U		Y	19
Fabaceae (Mimosoideae)	Acacia filicifolia	3773	U		Y	2
Fabaceae (Mimosoideae)	Acacia flexifolia	3775	U		Y	25
Fabaceae (Mimosoideae)	Acacia floribunda	3777	U		Y	1
Fabaceae (Mimosoideae)	Acacia gladiiformis	3783	U		Y	154

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Fabaceae (Mimosoideae)	Acacia gunnii	3785	U		Y	2
Fabaceae (Mimosoideae)	Acacia hakeoides	3786	U		Y	66
Fabaceae (Mimosoideae)	Acacia harpophylla	3788	U		Y	34
Fabaceae (Mimosoideae)	Acacia havilandiorum	8929	U		Y	18
Fabaceae (Mimosoideae)	Acacia homalophylla	3791	U		Y	12
Fabaceae (Mimosoideae)	Acacia implexa	3792	U		Y	23
Fabaceae (Mimosoideae)	Acacia irrorata	3794	U		Y	1
Fabaceae (Mimosoideae)	Acacia irrorata ssp irrorata	6472	U		Y	1
Fabaceae (Mimosoideae)	Acacia ixiophylla	3795	U		Y	40
Fabaceae (Mimosoideae)	Acacia juncifolia	3802	U		Y	5
Fabaceae (Mimosoideae)	Acacia lanigera	3806	U		Y	2
Fabaceae (Mimosoideae)	Acacia leiocalyx subsp leiocalyx	6597	U		Y	14
Fabaceae (Mimosoideae)	Acacia leptoclada	3810	U		Y	3
Fabaceae (Mimosoideae)	Acacia leucoclada	3811	U		Y	1
Fabaceae (Mimosoideae)	Acacia lineata	3813	U		Y	13
Fabaceae (Mimosoideae)	Acacia longifolia	3816	U		Y	3
Fabaceae (Mimosoideae)	Acacia lunata	6748	U		Y	2
Fabaceae (Mimosoideae)	Acacia maidenii	3821	U		Y	6
Fabaceae (Mimosoideae)	Acacia melanoxylon	3824	U		Y	14
Fabaceae (Mimosoideae)	Acacia murrayana	3832	U		Y	3
Fabaceae (Mimosoideae)	Acacia myrtifolia	3834	U		Y	1
Fabaceae (Mimosoideae)	Acacia oswaldii	3843	U		Y	11
Fabaceae (Mimosoideae)	Acacia paradoxa	3845	U		Y	3
Fabaceae (Mimosoideae)	Acacia pendula	3848	U		Y	19
Fabaceae (Mimosoideae)	Acacia penninervis	3849	U		Y	123
Fabaceae (Mimosoideae)	Acacia pilligaensis	3852	U		Y	98
Fabaceae (Mimosoideae)	Acacia polybotrya	3854	U		Y	67
Fabaceae (Mimosoideae)	Acacia pravifolia	3855	U		Y	32
Fabaceae (Mimosoideae)	Acacia rigens	3867	U		Y	1
Fabaceae (Mimosoideae)	Acacia salicina	3872	U		Y	6

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Fabaceae (Mimosoideae)	Acacia sertiformis	10784	U		Y	14
Fabaceae (Mimosoideae)	Acacia sparsifolia	10057	U		Y	6
Fabaceae (Mimosoideae)	Acacia spectabilis	3878	U		Y	102
Fabaceae (Mimosoideae)	Acacia spp.	Acac	U		Y	14
Fabaceae (Mimosoideae)	Acacia stenophylla	3879	U		Y	7
Fabaceae (Mimosoideae)	Acacia subulata	3884	U		Y	5
Fabaceae (Mimosoideae)	Acacia tindaleae	3887	U		Y	135
Fabaceae (Mimosoideae)	Acacia triptera	3892	U		Y	49
Fabaceae (Mimosoideae)	Acacia ulicifolia	3893	U		Y	27
Fabaceae (Mimosoideae)	Acacia uncinata	3894	U		Y	87
Fabaceae (Mimosoideae)	Acacia venulosa	8865	U		Y	6
Fabaceae (Mimosoideae)	Acacia verniciflua	3895	U		Y	9
Fabaceae (Mimosoideae)	Neptunia gracilis forma gracilis	10823	U		Y	1
Fumariaceae	Fumaria capreolata ssp capreolata	7396	U		N	1
Fumariaceae	Fumaria muralis ssp muralis	9367	U		N	2
Gentianaceae	Centaurium erythraea	3131	U		N	14
Gentianaceae	Centaurium spicatum	3132	U		Y	23
Gentianaceae	Centaurium spp.	Cena	U		Y	1
Gentianaceae	Centaurium tenuiflorum	3133	U		N	35
Geraniaceae	Erodium crinitum	3142	U		Y	5
Geraniaceae	Geranium homeanum	3148	U		Y	19
Geraniaceae	Geranium molle var molle	10093	U		N	2
Geraniaceae	Geranium potentilloides	3152	U		Y	13
Geraniaceae	Geranium retrorsum	3154	U		Y	8
Geraniaceae	Geranium solanderi	3156	U		Y	38
Geraniaceae	Geranium solanderi var grande	7407	U		Y	1
Geraniaceae	Geranium solanderi var solanderi	8226	U		Y	11
Geraniaceae	Geranium spp.	Gera	U		Y	4
Geraniaceae	Pelargonium inodorum	3161	U		Y	3
Goodeniaceae	Brunonia australis	1863	U		Y	26

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Goodeniaceae	Coopernookia barbata	3166	U		Y	3
Goodeniaceae	Dampiera adpressa	3168	U		Y	17
Goodeniaceae	Dampiera lanceolata var lanceolata	9745	U		Y	96
Goodeniaceae	Dampiera purpurea	3172	U		Y	31
Goodeniaceae	Dampiera spp.	Damp	U		Y	1
Goodeniaceae	Dampiera stricta	3174	U		Y	11
Goodeniaceae	Goodenia bellidifolia	3175	U		Y	2
Goodeniaceae	Goodenia cycloptera	3177	U		Y	78
Goodeniaceae	Goodenia fascicularis	3181	U		Y	21
Goodeniaceae	Goodenia glabra	3182	U		Y	126
Goodeniaceae	Goodenia glauca	3183	U		Y	1
Goodeniaceae	Goodenia gracilis	3185	U		Y	1
Goodeniaceae	Goodenia havilandii	3187	U		Y	9
Goodeniaceae	Goodenia hederacea	3188	U		Y	118
Goodeniaceae	Goodenia hederacea ssp hederacea	9279	U		Y	47
Goodeniaceae	Goodenia heteromera	3189	U		Y	1
Goodeniaceae	Goodenia heterophylla	3190	U		Y	1
Goodeniaceae	Goodenia heterophylla ssp heterophylla	10197	U		Y	20
Goodeniaceae	Goodenia macbarronii	9168	V	3VC-	Y	31
Goodeniaceae	Goodenia ovata	3192	U		Y	2
Goodeniaceae	Goodenia paniculata	7057	U		Y	43
Goodeniaceae	Goodenia pinnatifida	3193	U		Y	6
Goodeniaceae	Goodenia pusilliflora	3194	U		Y	1
Goodeniaceae	Goodenia rotundifolia	3196	U		Y	133
Goodeniaceae	Goodenia spp.	Good	U		Y	14
Goodeniaceae	Scaevola humilis	3206	U		Y	10
Goodeniaceae	Scaevola parvibarbata	7150	U		Y	1
Goodeniaceae	Scaevola spinescens	3209	U		Y	2
Goodeniaceae	Velleia paradoxa	3216	U		Y	1
Haemodoraceae	Haemodorum planifolium	3236	U		Y	1

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Haloragaceae	Gonocarpus elatus	3240	U		Y	180
Haloragaceae	Gonocarpus micranthus	3243	U		Y	1
Haloragaceae	Gonocarpus micranthus ssp micranthus	8649	U		Y	1
Haloragaceae	Gonocarpus micranthus ssp ramosissimus	8648	U		Y	1
Haloragaceae	Gonocarpus tetragynus	3247	U		Y	15
Haloragaceae	Gonocarpus teucrioides	3248	U		Y	1
Haloragaceae	Haloragis aspera	3249	U		Y	19
Haloragaceae	Haloragis glauca forma glauca	7455	U		Y	2
Haloragaceae	Haloragis heterophylla	3252	U		Y	109
Haloragaceae	Myriophyllum gracile var gracile	7518	U		Y	1
Haloragaceae	Myriophyllum pedunculatum	3264	U		Y	3
Haloragaceae	Myriophyllum spp.	Myri	U		Y	1
Haloragaceae	Myriophyllum striatum	7059	U		Y	1
Haloragaceae	Myriophyllum variifolium	6545	U		Y	2
Haloragaceae	Myriophyllum verrucosum	6546	U		Y	3
Hypoxidaceae	Hypoxis hygrometrica	3553	U		Y	3
Hypoxidaceae	Hypoxis hygrometrica var villosisepala	7561	U		Y	4
Icacinaceae	Pennantia cunninghamii	3276	U		Y	1
Iridaceae	Gladiolus carneus	3287	U		N	1
Iridaceae	Libertia paniculata	3298	U		Y	4
Iridaceae	Patersonia glabrata	3301	U		Y	1
Iridaceae	Patersonia sericea	3303	U		Y	46
Iridaceae	Patersonia spp.	Pate	U		Y	1
Iridaceae	Sisyrinchium species A	8957	U		Y	1
Juncaceae	Juncus alexandri	10308	U		Y	1
Juncaceae	Juncus alexandri ssp melanobasis	8876	U		Y	2
Juncaceae	Juncus aridicola	3315	U		Y	30
Juncaceae	Juncus brevibracteus	9035	U		Y	1
Juncaceae	Juncus bufonius	3318	U		N	30
Juncaceae	Juncus capitatus	3324	U		N	1

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Juncaceae	Juncus continuus	3326	U		Y	23
Juncaceae	Juncus filicaulis	3329	U		Y	17
Juncaceae	Juncus firmus	9312	U		Y	4
Juncaceae	Juncus flavidus	3330	U		Y	3
Juncaceae	Juncus fockei	8236	U		Y	8
Juncaceae	Juncus holoschoenus	3332	U		Y	1
Juncaceae	Juncus homalocaulis	3333	U		Y	4
Juncaceae	Juncus ochrocoleus	8941	U		Y	21
Juncaceae	Juncus planifolius	3340	U		Y	10
Juncaceae	Juncus prismatocarpus	3342	U		Y	2
Juncaceae	Juncus psammophilus	10311	U		Y	14
Juncaceae	Juncus radula	3344	U		Y	3
Juncaceae	Juncus remotiflorus	8521	U		Y	12
Juncaceae	Juncus sandwithii	3346	U		Y	2
Juncaceae	Juncus sarophorus	3347	U		Y	1
Juncaceae	Juncus spp.	Junc	U		Y	5
Juncaceae	Juncus subglaucus	8940	U		Y	1
Juncaceae	Juncus subsecundus	3348	U		Y	73
Juncaceae	Juncus usitatus	3350	U		Y	10
Juncaceae	Juncus vaginatus	3351	U		Y	4
Juncaceae	Luzula densiflora	3356	U		Y	3
Juncaceae	Luzula flaccida	3357	U		Y	37
Juncaceae	Luzula spp.	Luzu	U		Y	1
Juncaginaceae	Triglochin calcitrapum	10254	U		Y	1
Lamiaceae	Ajuga australis	3371	U		Y	127
Lamiaceae	Hemigenia cuneifolia	3375	U		Y	5
Lamiaceae	Lamium amplexicaule	3377	U		N	3
Lamiaceae	Marrubium vulgare	3381	U		N	15
Lamiaceae	Mentha diemenica	3384	U		Y	9
Lamiaceae	Mentha satureioides	3387	U		Y	21

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Lamiaceae	Plectranthus parviflorus	3397	U		Y	19
Lamiaceae	Prostanthera granitica	3409	U		Y	2
Lamiaceae	Prostanthera howelliae	3411	U		Y	21
Lamiaceae	Prostanthera incisa	3413	U		Y	2
Lamiaceae	Prostanthera lasianthos	3415	U		Y	1
Lamiaceae	Prostanthera nivea	3421	U		Y	3
Lamiaceae	Prostanthera nivea var nivea	9380	U		Y	1
Lamiaceae	Prostanthera ringens	7660	U		Y	1
Lamiaceae	Prostanthera saxicola	3429	U		Y	10
Lamiaceae	Prostanthera spp.	Pros	U		Y	2
Lamiaceae	Prunella vulgaris	3440	U		N	8
Lamiaceae	Salvia reflexa	3445	U		N	8
Lamiaceae	Salvia verbenaca	3446	U		N	6
Lamiaceae	Scutellaria humilis	3447	U		Y	35
Lamiaceae	Scutellaria mollis	3448	U		Y	2
Lamiaceae	Stachys arvensis	3450	U		N	5
Lamiaceae	Teucrium racemosum	3453	U		Y	6
Lamiaceae	Teucrium species A	9229	U		Y	1
Lamiaceae	Westringia cheelii	3457	U		Y	54
Lamiaceae	Westringia eremicola	3458	U		Y	2
Lamiaceae	Westringia rigida	3463	U		Y	3
Lauraceae	Cassytha glabella	3467	U		Y	26
Lauraceae	Cassytha melantha	3468	U		Y	5
Lauraceae	Cassytha pubescens	3469	U		Y	170
Lauraceae	Cassytha racemosa forma muelleri	9255	U		Y	1
Lemnaceae	Lemna trisulca	3501	U		Y	1
Lentibulariaceae	Utricularia dichotoma	3507	U		Y	5
Linaceae	Linum marginale	3583	U		Y	1
Lobeliaceae	Isotoma armstrongii	7913	U		Y	1
Lobeliaceae	Isotoma axillaris	1913	U		Y	8

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Lobeliaceae	Isotoma fluviatilis	1914	U		Y	1
Lobeliaceae	Isotoma fluviatilis ssp borealis	7965	U		Y	4
Lobeliaceae	Lobelia gibbosa	1917	U		Y	16
Lobeliaceae	Lobelia sp. aff. gibbosa 'succulent'	10882	U		Y	1
Lobeliaceae	Pratia concolor	1922	U		Y	12
Lobeliaceae	Pratia purpurascens	1925	U		Y	14
Loganiaceae	Logania albiflora	3588	U		Y	1
Loganiaceae	Mitrasacme paludosa	3592	U		Y	16
Loganiaceae	Mitrasacme polymorpha	3595	U		Y	4
Lomandraceae	Lomandra collina	7511	U		Y	3
Lomandraceae	Lomandra confertifolia	6297	U		Y	5
Lomandraceae	Lomandra confertifolia ssp pallida	7709	U		Y	2
Lomandraceae	Lomandra filiformis	6302	U		Y	347
Lomandraceae	Lomandra filiformis ssp coriacea	6511	U		Y	2
Lomandraceae	Lomandra filiformis ssp filiformis	7931	U		Y	135
Lomandraceae	Lomandra filiformis ssp flavior	6512	U		Y	9
Lomandraceae	Lomandra glauca	6304	U		Y	12
Lomandraceae	Lomandra leucocephala	6307	U		Y	90
Lomandraceae	Lomandra leucocephala ssp leucocephala	7925	U		Y	18
Lomandraceae	Lomandra longifolia	6308	U		Y	130
Lomandraceae	Lomandra multiflora	8802	U		Y	18
Lomandraceae	Lomandra multiflora ssp multiflora	8802	U		Y	497
Lomandraceae	Lomandra patens	6313	U	3RCa	Y	1
Lomandraceae	Lomandra spp.	Loma	U		Y	14
Loranthaceae	Amyema bifurcatum var bifurcatum	6958	U		Y	2
Loranthaceae	Amyema cambagei	3599	U		Y	4
Loranthaceae	Amyema congener ssp congener	6856	U		Y	2
Loranthaceae	Amyema linophyllum ssp orientale	7497	U		Y	58
Loranthaceae	Amyema maidenii ssp angustifolium	7629	U		Y	1
Loranthaceae	Amyema miquelii	6394	U		Y	111

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Loranthaceae	Amyema miraculosum ssp boormanii	7922	U		Y	12
Loranthaceae	Amyema pendulum	3607	U		Y	14
Loranthaceae	Amyema pendulum ssp longifolium	7198	U		Y	1
Loranthaceae	Amyema pendulum ssp pendulum	7308	U		Y	2
Loranthaceae	Amyema quandang	3609	U		Y	2
Loranthaceae	Amyema quandang var quandang	7630	U		Y	8
Loranthaceae	Dendrophthoe glabrescens	6710	U		Y	9
Loranthaceae	Lysiana exocarpi	3615	U		Y	5
Loranthaceae	Lysiana exocarpi ssp tenuis	6462	U		Y	17
Loranthaceae	Lysiana subfalcata	7910	U		Y	3
Loranthaceae	Muellerina bidwillii	3618	U		Y	5
Loranthaceae	Muellerina eucalyptoides	3620	U		Y	1
Luzuriagaceae	Eustrephus latifolius	6015	U		Y	47
Luzuriagaceae	Geitonoplesium cymosum	6016	U		Y	15
Lythraceae	Lythrum hyssopifolia	3623	U		N	3
Lythraceae	Lythrum spp.	Lyth	U		Y	1
Malvaceae	Abutilon cryptopetalum	3626	U		Y	2
Malvaceae	Abutilon fraseri	3627	U		Y	1
Malvaceae	Abutilon leucopetalum	6608	U		Y	3
Malvaceae	Abutilon malvifolium	3631	U		Y	6
Malvaceae	Abutilon oxycarpum	3632	U		Y	77
Malvaceae	Abutilon oxycarpum var subsagittatum	7920	U		Y	1
Malvaceae	Abutilon spp.	Abut	U		Y	5
Malvaceae	Abutilon tubulosum	3634	U		Y	2
Malvaceae	Hibiscus brachysiphonius	3640	U		Y	1
Malvaceae	Hibiscus krichauffianus	3643	U		Y	1
Malvaceae	Hibiscus spp.	Hibi	U		Y	1
Malvaceae	Hibiscus sturtii	3646	U		Y	25
Malvaceae	Hibiscus sturtii var sturtii	7296	U		Y	16
Malvaceae	Hibiscus trionum	3648	U		Y	6

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Malvaceae	Malva neglecta	3655	U		N	2
Malvaceae	Malva parviflora	3657	U		N	17
Malvaceae	Malva verticillata	9877	U		N	1
Malvaceae	Malvastrum americanum	7206	U		N	20
Malvaceae	Malvastrum coromandelianum	3659	U		Y	4
Malvaceae	Modiola caroliniana	3660	U		N	11
Malvaceae	Modiola caroliniana	3660	U		N	1
Malvaceae	Pavonia hastata	7267	U		N	9
Malvaceae	Sida corrugata	3664	U		Y	59
Malvaceae	Sida cunninghamii	3666	U		Y	73
Malvaceae	Sida fibulifera	6711	U		Y	5
Malvaceae	Sida filiformis	3667	U		Y	3
Malvaceae	Sida phaeotricha	9789	U		Y	1
Malvaceae	Sida rhombifolia	3673	U		N	10
Malvaceae	Sida sp. A	8283	U		Y	1
Malvaceae	Sida spinosa	7612	U		Y	13
Malvaceae	Sida spp.	Sida	U		Y	15
Malvaceae	Sida subspicata	6971	U		Y	1
Malvaceae	Sida trichopoda	3674	U		Y	30
Marsileaceae	Marsilea costulifera	9632	U		Y	2
Marsileaceae	Marsilea drummondii	8803	U		Y	17
Marsileaceae	Marsilea hirsuta	8138	U		Y	2
Martyniaceae	Ibicella lutea	8935	U		N	1
Meliaceae	Melia azedarach	3680	U		Y	8
Meliaceae	Owenia acidula	3681	U		Y	3
Meliaceae	Synoum glandulosum	3683	U		Y	3
Menispermaceae	Stephania japonica	3690	U		Y	1
Menispermaceae	Stephania japonica var discolor	8428	U		Y	14
Mimosaceae	Acacia deanei ssp deanei	8269	U		Y	39
Mimosaceae	Acacia neriifolia	3835	U		Y	5

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Monimiaceae	Daphnandra micrantha	3911	U		Y	4
Monimiaceae	Doryphora sassafras	3913	U		Y	4
Monimiaceae	Hedycarya angustifolia	3914	U		Y	8
Monimiaceae	Palmeria scandens	3915	U		Y	1
Moraceae	Ficus coronata	7479	U		Y	8
Moraceae	Ficus rubiginosa	3924	U		Y	1
Moraceae	Maclura pomifera	3929	U		N	4
Myoporaceae	Eremophila bignoniiflora	3933	U		Y	3
Myoporaceae	Eremophila debilis	8602	U		Y	16
Myoporaceae	Eremophila deserti	7252	U		Y	15
Myoporaceae	Eremophila longifolia	3942	U		Y	37
Myoporaceae	Eremophila mitchellii	3944	U		Y	111
Myoporaceae	Eremophila scoparia	3947	U		Y	1
Myoporaceae	Eremophila spp.	Erem	U		Y	1
Myoporaceae	Myoporum montanum	3955	U		Y	78
Myoporaceae	Myoporum platycarpum	3957	U		Y	5
Myrsinaceae	Rapanea howittiana	3960	U		Y	2
Myrsinaceae	Rapanea variabilis	3965	U		Y	2
Myrtaceae	Acmena smithii	3968	U		Y	2
Myrtaceae	Angophora costata	3970	U		Y	15
Myrtaceae	Angophora floribunda	3971	U		Y	173
Myrtaceae	Angophora leiocarpa	9094	U		Y	19
Myrtaceae	Babingtonia cunninghamii	9813	U		Y	28
Myrtaceae	Babingtonia densifolia	9812	U		Y	35
Myrtaceae	Babingtonia pluriflora	10678	U		Y	1
Myrtaceae	Callistemon brachyandrus	4003	U		Y	1
Myrtaceae	Callistemon linearis	4008	U		Y	8
Myrtaceae	Callistemon pallidus	4011	U		Y	3
Myrtaceae	Callistemon pinifolius	4013	U		Y	1
Myrtaceae	Callistemon sieberi	4017	U		Y	7

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Myrtaceae	Callistemon viminalis	4019	U		Y	4
Myrtaceae	Calytrix tetragona	4021	U		Y	363
Myrtaceae	Corymbia dolichocarpa	9738	U		Y	13
Myrtaceae	Corymbia tessellaris	9744	U		Y	1
Myrtaceae	Corymbia trachyphloia	9739	U		Y	232
Myrtaceae	Eucalyptus albens	4039	U		Y	68
Myrtaceae	Eucalyptus beyeriana	8356	U		Y	5
Myrtaceae	Eucalyptus blakelyi	4057	U		Y	152
Myrtaceae	Eucalyptus bridgesiana	4061	U		Y	6
Myrtaceae	Eucalyptus camaldulensis	6360	U		Y	44
Myrtaceae	Eucalyptus camaldulensis<->chloroclada	10889	U		Y	4
Myrtaceae	Eucalyptus chloroclada	6798	U		Y	129
Myrtaceae	Eucalyptus conica	4072	U		Y	25
Myrtaceae	Eucalyptus coolabah	8930	U		Y	3
Myrtaceae	Eucalyptus crebra	4074	U		Y	386
Myrtaceae	Eucalyptus dalrympleana	4076	U		Y	2
Myrtaceae	Eucalyptus dalrympleana ssp dalrympleana	7309	U		Y	1
Myrtaceae	Eucalyptus dalrympleana ssp heptantha	7361	U		Y	13
Myrtaceae	Eucalyptus dawsonii	4077	U		Y	1
Myrtaceae	Eucalyptus dealbata	4078	U		Y	48
Myrtaceae	Eucalyptus dumosa	4083	U		Y	3
Myrtaceae	Eucalyptus dwyeri	4085	U		Y	94
Myrtaceae	Eucalyptus fibrosa	4091	U		Y	194
Myrtaceae	Eucalyptus goniocalyx	4099	U		Y	2
Myrtaceae	Eucalyptus laevopinea	4112	U		Y	41
Myrtaceae	Eucalyptus largiflorens	4114	U		Y	1
Myrtaceae	Eucalyptus macrorhyncha	4120	U		Y	68
Myrtaceae	Eucalyptus maculata	4121	U		Y	1
Myrtaceae	Eucalyptus mannifera	4122	U		Y	1
Myrtaceae	Eucalyptus melanophloia	4124	U		Y	49

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Myrtaceae	Eucalyptus melliodora	4125	U		Y	42
Myrtaceae	Eucalyptus microcarpa	4127	U		Y	22
Myrtaceae	Eucalyptus nobilis	8618	U		Y	20
Myrtaceae	Eucalyptus nortonii	4137	U		Y	4
Myrtaceae	Eucalyptus nubila	9283	U		Y	48
Myrtaceae	Eucalyptus pauciflora	4151	U		Y	13
Myrtaceae	Eucalyptus pilligaensis	4154	U		Y	86
Myrtaceae	Eucalyptus populnea ssp bimbil	10023	U		Y	112
Myrtaceae	Eucalyptus praecox	10022	U		Y	3
Myrtaceae	Eucalyptus prava	8721	U		Y	1
Myrtaceae	Eucalyptus rossii	4172	U		Y	9
Myrtaceae	Eucalyptus sideroxylon	4181	U		Y	96
Myrtaceae	Eucalyptus sparsifolia	8353	U		Y	2
Myrtaceae	Eucalyptus spp.	Euca	U		Y	7
Myrtaceae	Eucalyptus stellulata	4187	U		Y	11
Myrtaceae	Eucalyptus tereticornis	4191	U		Y	1
Myrtaceae	Eucalyptus viminalis	4197	U		Y	2
Myrtaceae	Eucalyptus viridis	4198	U		Y	12
Myrtaceae	Homoranthus flavescens	4202	U		Y	196
Myrtaceae	Kunzea parvifolia	4211	U		Y	1
Myrtaceae	Kunzea species D	8955	U		Y	1
Myrtaceae	Leptospermum arachnoides	4213	U		Y	2
Myrtaceae	Leptospermum brevipes	4216	U		Y	5
Myrtaceae	Leptospermum divaricatum	7274	U		Y	7
Myrtaceae	Leptospermum gregarium	8647	U		Y	5
Myrtaceae	Leptospermum parvifolium	4233	U		Y	39
Myrtaceae	Leptospermum polygalifolium	7245	U		Y	19
Myrtaceae	Leptospermum polygalifolium ssp montanum	8198	U		Y	2
Myrtaceae	Leptospermum polygalifolium ssp transmontanum	8201	U		Y	38
Myrtaceae	Leptospermum spp.	Lept	U		Y	2

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Myrtaceae	Leptospermum trinervium	8486	U		Y	1
Myrtaceae	Melaleuca bracteata	6390	U		Y	2
Myrtaceae	Melaleuca densispicata	8254	U		Y	3
Myrtaceae	Melaleuca ericifolia	6391	U		Y	1
Myrtaceae	Melaleuca erubescens	4250	U		Y	33
Myrtaceae	Melaleuca lanceolata ssp lanceolata	10037	U		Y	1
Myrtaceae	Melaleuca thymifolia	4266	U		Y	20
Myrtaceae	Melaleuca uncinata	4268	U		Y	48
Myrtaceae	Micromyrtus ciliata	4272	U		Y	2
Myrtaceae	Micromyrtus sessilis	4275	U		Y	27
Myrtaceae	Micromyrtus striata	4276	U		Y	15
Myrtaceae	Tristaniopsis laurina	4297	U		Y	1
Nitrariaceae	Nitraria billardierei	6345	U		Y	1
Nyctaginaceae	Boerhavia dominii	6841	U		Y	83
Nyctaginaceae	Boerhavia repleta	9656	U		Y	1
Olacaceae	Olax stricta	6407	U		Y	7
Oleaceae	Jasminum lineare	6398	U		Y	30
Oleaceae	Jasminum suavissimum	4310	U		Y	6
Oleaceae	Ligustrum sinense	4313	U		N	1
Oleaceae	Notelaea linearis	4317	U		Y	1
Oleaceae	Notelaea longifolia	4318	U		Y	2
Oleaceae	Notelaea microcarpa	4319	U		Y	65
Oleaceae	Notelaea microcarpa var microcarpa	6695	U		Y	23
Onagraceae	Epilobium billardierianum	4326	U		Y	1
Onagraceae	Epilobium billardierianum ssp cinereum	7952	U		Y	29
Onagraceae	Epilobium billardierianum ssp hydrophyllum	7605	U		Y	6
Onagraceae	Epilobium hirtigerum	4330	U		Y	6
Onagraceae	Ludwigia peploides ssp montevidensis	7375	U		Y	2
Onagraceae	Oenothera mollissima	4344	U		N	3
Onagraceae	Oenothera rosea	4345	U		N	6

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Onagraceae	Oenothera stricta ssp stricta	8808	U		N	2
Ophioglossaceae	Botrychium australe	8144	U		Y	1
Ophioglossaceae	Ophioglossum lusitanicum	10482	U		Y	21
Orchidaceae	Acianthus collinus	9087	U		Y	2
Orchidaceae	Acianthus fornicatus	4353	U		Y	2
Orchidaceae	Caladenia caerulea	4372	U		Y	3
Orchidaceae	Caladenia fuscata	7231	U		Y	32
Orchidaceae	Caladenia spp.	Cala	U		Y	1
Orchidaceae	Caleana minor	6681	U		Y	9
Orchidaceae	Calochilus robertsonii	4395	U		Y	27
Orchidaceae	Calochilus spp.	Calo	U		Y	1
Orchidaceae	Chiloglottis trilabra	6525	U		Y	8
Orchidaceae	Corybas fimbriatus	4407	U		Y	2
Orchidaceae	Cymbidium canaliculatum	6399	P13		Y	24
Orchidaceae	Dipodium hamiltonianum	4437	P13		Y	3
Orchidaceae	Dipodium punctatum	7887	P13		Y	3
Orchidaceae	Dipodium roseum	9155	P13		Y	4
Orchidaceae	Diuris goonooensis	4445	U		Y	20
Orchidaceae	Diuris sulphurea	4456	U		Y	1
Orchidaceae	Diuris tricolor	4457	V	3K	Y	2
Orchidaceae	Genoplesium pedersonii	9780	U		Y	1
Orchidaceae	Glossodia major	4465	U		Y	1
Orchidaceae	Microtis parviflora	7622	U		Y	2
Orchidaceae	Microtis unifolia	4473	U		Y	21
Orchidaceae	Prasophyllum patens	4517	U		Y	3
Orchidaceae	Pterostylis bicolor	6712	U		Y	9
Orchidaceae	Pterostylis boormanii	4541	U		Y	19
Orchidaceae	Pterostylis coccina	7502	U		Y	12
Orchidaceae	Pterostylis decurva	4547	U		Y	1
Orchidaceae	Pterostylis laxa	4557	U		Y	2

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Orchidaceae	Pterostylis mutica	4560	U		Y	1
Orchidaceae	Pterostylis nana	4561	U		Y	1
Orchidaceae	Pterostylis obtusa	4563	U		Y	1
Orchidaceae	Pterostylis parviflora	4566	U		Y	2
Orchidaceae	Pterostylis setifera	7644	U		Y	23
Orchidaceae	Pterostylis species B	9214	U		Y	7
Orchidaceae	Pterostylis spp.	Pter	U		Y	2
Orchidaceae	Pterostylis woollsii	4576	U	3RC-	Y	1
Orchidaceae	Spiranthes sinensis ssp australis	8967	U		Y	5
Orchidaceae	Thelymitra pauciflora	4602	U		Y	1
Orchidaceae	Thelymitra spp.	Thel	U		Y	16
Oxalidaceae	Oxalis chnoodes	4612	U		Y	85
Oxalidaceae	Oxalis corniculata	4613	U		N	30
Oxalidaceae	Oxalis exilis	4615	U		Y	20
Oxalidaceae	Oxalis perennans	4621	U		Y	203
Oxalidaceae	Oxalis radicosa	4624	U		Y	56
Papaveraceae	Argemone ochroleuca ssp ochroleuca	7115	U		N	20
Papaveraceae	Argemone subfusiformis	9362	U		N	4
Papaveraceae	Papaver aculeatum	4635	U		Y	1
Papaveraceae	Papaver somniferum	4640	U		N	1
Papaveraceae	Papaver somniferum ssp setigerum	9647	U		N	1
Philydraceae	Philydrum lanuginosum	7065	U		Y	7
Phormiaceae	Dianella 'admixta'	10878	U		Y	146
Phormiaceae	Dianella caerulea	3540	U		Y	24
Phormiaceae	Dianella caerulea var caerulea	6700	U		Y	1
Phormiaceae	Dianella longifolia	7783	U		Y	61
Phormiaceae	Dianella longifolia var grandis	7717	U		Y	4
Phormiaceae	Dianella longifolia var longifolia	8725	U		Y	38
Phormiaceae	Dianella revoluta	3542	U		Y	289
Phormiaceae	Dianella revoluta var revoluta	7580	U		Y	32

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Phormiaceae	Dianella revoluta var vinosa	7784	U		Y	13
Phormiaceae	Dianella sp. aff. revoluta 'Pilliga'	10879	U		Y	44
Phormiaceae	Dianella sp. aff. tarda 'Pilliga'	10880	U		Y	7
Phormiaceae	Dianella spp.	Dian	U		Y	4
Phormiaceae	Stypandra glauca	3569	U		Y	84
Phytolaccaceae	Phytolacca octandra	4658	U		N	3
Pittosporaceae	Billardiera scandens	4671	U		Y	2
Pittosporaceae	Bursaria spinosa	4674	U		Y	40
Pittosporaceae	Bursaria spinosa var microphylla	9374	U		Y	3
Pittosporaceae	Bursaria spinosa var obovata	9079	U		Y	6
Pittosporaceae	Bursaria spinosa var spinosa	10100	U		Y	7
Pittosporaceae	Cheiranthera cyanea var cyanea	9594	U		Y	5
Pittosporaceae	Citriobatus pauciflorus	4677	U		Y	1
Pittosporaceae	Citriobatus spinescens	7905	U		Y	1
Pittosporaceae	Hymenosporum flavum	4678	U		Y	9
Pittosporaceae	Pittosporum phylliraeoides	4682	U		Y	21
Pittosporaceae	Pittosporum undulatum	4685	U		Y	16
Pittosporaceae	Rhytidosporum diosmoides	10892	U		Y	2
Plantaginaceae	Plantago cunninghamii	4690	U		Y	23
Plantaginaceae	Plantago debilis	4691	U		Y	56
Plantaginaceae	Plantago lanceolata	4699	U		N	11
Plantaginaceae	Plantago turrifera	4704	U		Y	11
Plantaginaceae	Plantago varia	4705	U		Y	7
Poaceae	Agrostis avenacea var avenacea	6766	U		Y	44
Poaceae	Agrostis venusta	4729	U		Y	3
Poaceae	Aira cupaniana	4731	U		N	11
Poaceae	Alloteropsis semialata	7289	U		Y	2
Poaceae	Alopecurus geniculatus	4735	U		N	1
Poaceae	Amphibromus nervosus	6842	U		Y	1
Poaceae	Amphibromus whitei	8250	U		Y	1

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Poaceae	Ancistrachne uncinulata	4747	U		Y	15
Poaceae	Anthoxanthum odoratum	4750	U		N	1
Poaceae	Aristida acuta	4751	U		Y	12
Poaceae	Aristida behriana	4754	U		Y	2
Poaceae	Aristida benthamii var benthamii	7367	U		Y	2
Poaceae	Aristida blakei	9723	U		Y	1
Poaceae	Aristida calycina	4756	U		Y	12
Poaceae	Aristida calycina var calycina	9334	U		Y	5
Poaceae	Aristida caput-medusae	4757	U		Y	58
Poaceae	Aristida gracilipes	4759	U		Y	19
Poaceae	Aristida helicophylla	9725	U		Y	4
Poaceae	Aristida holathera var holathera	7537	U		Y	2
Poaceae	Aristida jerichoensis	4760	U		Y	184
Poaceae	Aristida jerichoensis var jerichoensis	6439	U		Y	70
Poaceae	Aristida jerichoensis var subspinulifera	6933	U		Y	148
Poaceae	Aristida latifolia	6713	U		Y	1
Poaceae	Aristida leichhardtiana	4761	U		Y	37
Poaceae	Aristida leptopoda	4762	U		Y	7
Poaceae	Aristida muricata	4765	U		Y	9
Poaceae	Aristida obscura	4766	U		Y	1
Poaceae	Aristida platychaeta	4768	U		Y	3
Poaceae	Aristida psammophila	4769	U		Y	2
Poaceae	Aristida ramosa	4770	U		Y	100
Poaceae	Aristida ramosa var ramosa	8555	U		Y	18
Poaceae	Aristida ramosa var scaberula	8487	U		Y	25
Poaceae	Aristida ramosa var speciosa	6549	U		Y	91
Poaceae	Aristida spp.	Aris	U		Y	30
Poaceae	Aristida vagans	4773	U		Y	48
Poaceae	Arundinella nepalensis	6983	U		Y	81
Poaceae	Astrebla elymoides	7273	U		Y	3

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Poaceae	Astrebla lappacea	4778	U		Y	3
Poaceae	Astrebla pectinata	7565	U		Y	3
Poaceae	Astrebla squarrosa	7566	U		Y	1
Poaceae	Austrodanthonia bipartita	10620	U		Y	99
Poaceae	Austrodanthonia caespitosa	10621	U		Y	8
Poaceae	Austrodanthonia eriantha	10624	U		Y	77
Poaceae	Austrodanthonia fulva	10625	U		Y	31
Poaceae	Austrodanthonia induta	10626	U		Y	9
Poaceae	Austrodanthonia laevis	10627	U		Y	18
Poaceae	Austrodanthonia monticola	10628	U		Y	17
Poaceae	Austrodanthonia pilosa	10630	U		Y	37
Poaceae	Austrodanthonia racemosa	10498	U		Y	8
Poaceae	Austrodanthonia racemosa var obtusata	10500	U		Y	63
Poaceae	Austrodanthonia racemosa var racemosa	10499	U		Y	41
Poaceae	Austrodanthonia richardsonii	10631	U		Y	10
Poaceae	Austrodanthonia setacea	10632	U		Y	56
Poaceae	Austrostipa acrociliata	10370	U		Y	1
Poaceae	Austrostipa aristiglumis	10384	U		Y	28
Poaceae	Austrostipa densiflora	10395	U		Y	15
Poaceae	Austrostipa pubescens	9603	U		Y	1
Poaceae	Austrostipa ramosissima	9918	U		Y	26
Poaceae	Austrostipa ramosissima	9918	U		Y	21
Poaceae	Austrostipa rudis	10396	U		Y	1
Poaceae	Austrostipa rudis subsp nervosa	10398	U		Y	18
Poaceae	Austrostipa rudis subsp rudis	10397	U		Y	2
Poaceae	Austrostipa scabra	10377	U		Y	119
Poaceae	Austrostipa scabra subsp falcata	10379	U		Y	6
Poaceae	Austrostipa scabra subsp scabra	10378	U		Y	266
Poaceae	Austrostipa setacea	10382	U		Y	73
Poaceae	Austrostipa verticillata	10371	U		Y	71

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Poaceae	Avena fatua	4780	U		N	14
Poaceae	Avena ludoviciana	4781	U		N	1
Poaceae	Avena sativa	4782	U		N	1
Poaceae	Bothriochloa biloba	4787	V	3V	Y	10
Poaceae	Bothriochloa bladhii	10346	U		Y	3
Poaceae	Bothriochloa bladhii subsp bladhii	10346	U		Y	6
Poaceae	Bothriochloa decipiens	4788	U		Y	41
Poaceae	Bothriochloa ewartiana	6882	U		Y	3
Poaceae	Bothriochloa macra	4790	U		Y	20
Poaceae	Bothriochloa spp.	Both	U		Y	1
Poaceae	Briza maxima	4800	U		N	1
Poaceae	Briza minor	4801	U		N	1
Poaceae	Bromus alopecuruos	10328	U		N	2
Poaceae	Bromus arenarius	4804	U		Y	1
Poaceae	Bromus catharticus	7813	U		N	36
Poaceae	Bromus diandrus	4806	U		N	3
Poaceae	Bromus molliformis	4811	U		Y	9
Poaceae	Cenchrus ciliaris	6413	U		N	3
Poaceae	Cenchrus echinatus	6890	U		N	2
Poaceae	Cenchrus incertus	4824	U		N	8
Poaceae	Cenchrus longispinus	4825	U		N	1
Poaceae	Chloris divaricata var divaricata	9134	U		Y	1
Poaceae	Chloris gayana	4831	U		N	4
Poaceae	Chloris spp.	Chlo	U		Y	1
Poaceae	Chloris truncata	4833	U		Y	118
Poaceae	Chloris ventricosa	4834	U		Y	16
Poaceae	Chloris virgata	6655	U		N	2
Poaceae	Chrysopogon fallax	4835	U		Y	1
Poaceae	Cleistochloa rigida	6864	U		Y	23
Poaceae	Cymbopogon obtectus	4840	U		Y	4

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Poaceae	Cymbopogon refractus	4841	U		Y	161
Poaceae	Cynodon dactylon	6540	U		Y	49
Poaceae	Cynodon incompletus	4842	U		N	1
Poaceae	Dactyloctenium radulans	7178	U		Y	7
Poaceae	Danthonia linkii	4856	U		Y	54
Poaceae	Danthonia spp.	Dant	U		Y	4
Poaceae	Deyeuxia spp.	Deye	U		Y	2
Poaceae	Dichanthium sericeum	7485	U		Y	50
Poaceae	Dichanthium sericeum ssp sericeum	7645	U		Y	18
Poaceae	Dichanthium setosum	4895	V	3VC-	Y	1
Poaceae	Dichelachne crinita	4897	U		Y	46
Poaceae	Dichelachne inaequiglumis	8748	U		Y	1
Poaceae	Dichelachne micrantha	4898	U		Y	197
Poaceae	Dichelachne rara	4899	U		Y	6
Poaceae	Dichelachne spp.	Dice	U		Y	1
Poaceae	Digitaria ammophila	4901	U		Y	33
Poaceae	Digitaria breviglumis	4902	U		Y	242
Poaceae	Digitaria brownii	6857	U		Y	48
Poaceae	Digitaria diffusa	4905	U		Y	175
Poaceae	Digitaria divaricatissima	4907	U		Y	14
Poaceae	Digitaria hubbardii	4908	U		Y	1
Poaceae	Digitaria hystrichoides	4909	U		Y	3
Poaceae	Digitaria longiflora	6984	U		Y	1
Poaceae	Digitaria ramularis	4915	U		Y	31
Poaceae	Digitaria sanguinalis	6937	U		N	1
Poaceae	Digitaria spp.	Digi	U		Y	23
Poaceae	Diplachne fusca	4920	U		Y	2
Poaceae	Diplachne parviflora	7897	U		Y	1
Poaceae	Echinochloa colona	7607	U		Y	2
Poaceae	Echinochloa crus-galli	4923	U		N	14

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Poaceae	Echinochloa frumentacea	6456	U		N	3
Poaceae	Echinopogon caespitosus	4929	U		Y	33
Poaceae	Echinopogon caespitosus var caespitosus	7593	U		Y	6
Poaceae	Echinopogon intermedius	4931	U		Y	2
Poaceae	Echinopogon mckiei	4932	U		Y	2
Poaceae	Echinopogon ovatus	4934	U		Y	47
Poaceae	Eleusine tristachya	4940	U		N	4
Poaceae	Elymus scaber	8796	U		Y	18
Poaceae	Elymus scaber var scaber	8798	U		Y	40
Poaceae	Enneapogon avenaceus	6720	U		Y	1
Poaceae	Enneapogon gracilis	4943	U		Y	36
Poaceae	Enneapogon nigricans	4945	U		Y	4
Poaceae	Enteropogon acicularis	6721	U		Y	171
Poaceae	Entolasia marginata	4946	U		Y	4
Poaceae	Entolasia stricta	4947	U		Y	32
Poaceae	Eragrostis australasica	4949	U		Y	1
Poaceae	Eragrostis benthamii	7578	U		Y	4
Poaceae	Eragrostis brownii	7921	U		Y	111
Poaceae	Eragrostis cilianensis	6387	U		N	7
Poaceae	Eragrostis curvula	4952	U		N	13
Poaceae	Eragrostis elongata	4955	U		Y	60
Poaceae	Eragrostis lacunaria	4958	U		Y	190
Poaceae	Eragrostis leptocarpa	7483	U		Y	1
Poaceae	Eragrostis leptostachya	4960	U		Y	19
Poaceae	Eragrostis megalosperma	4961	U		Y	8
Poaceae	Eragrostis molybdea	4965	U		Y	7
Poaceae	Eragrostis parviflora	4967	U		Y	12
Poaceae	Eragrostis setifolia	6378	U		Y	3
Poaceae	Eragrostis sororia	4972	U		Y	77
Poaceae	Eragrostis speciosa	7275	U		Y	1

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Poaceae	Eragrostis spp.	Erag	U		Y	19
Poaceae	Eriachne mucronata	6596	U		Y	2
Poaceae	Eriochloa australiensis	7907	U		Y	2
Poaceae	Eriochloa crebra	4983	U		Y	12
Poaceae	Eriochloa procera	7228	U		Y	2
Poaceae	Eriochloa pseudoacrotricha	7335	U		Y	15
Poaceae	Eulalia aurea	7602	U		Y	12
Poaceae	Festuca asperula	4988	U		Y	1
Poaceae	Festuca elatior	8745	U		N	2
Poaceae	Festuca nigrescens	9345	U		N	2
Poaceae	Festuca pratensis	4993	U		N	1
Poaceae	Glyceria latispicea	4998	U		Y	3
Poaceae	Homopholis belsonii	5007	U	3R	Y	6
Poaceae	Homopholis proluta	6660	U		Y	3
Poaceae	Hordeum leporinum	5012	U		N	19
Poaceae	Hyparrhenia hirta	5016	U		N	37
Poaceae	Imperata cylindrica	8511	U		Y	8
Poaceae	Imperata cylindrica var major	8511	U		Y	26
Poaceae	Iseilema membranaceum	5019	U		Y	2
Poaceae	Joycea pallida	10634	U		Y	87
Poaceae	Lamarckia aurea	5023	U		N	5
Poaceae	Leptochloa ciliolata	5026	U		Y	29
Poaceae	Leptochloa digitata	7726	U		Y	18
Poaceae	Leptochloa divaricatissima	5028	U		Y	3
Poaceae	Leptochloa peacockii	5029	U		Y	6
Poaceae	Lolium loliaceum	5030	U		N	1
Poaceae	Lolium multiflorum	5031	U		N	2
Poaceae	Lolium perenne	5032	U		N	10
Poaceae	Lolium rigidum	5033	U		N	25
Poaceae	Melinis repens	10904	U		N	1

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Poaceae	Microlaena stipoides	5037	U		Y	127
Poaceae	Microlaena stipoides var stipoides	7707	U		Y	63
Poaceae	Nassella hyalina	10365	U		N	2
Poaceae	Notodanthonia longifolia	10635	U		Y	32
Poaceae	Notodanthonia longifolia	10635	U		Y	1
Poaceae	Oplismenus aemulus	5044	U		Y	8
Poaceae	Oplismenus imbecillis	5045	U		Y	5
Poaceae	Panicum antidotale	5049	U		N	4
Poaceae	Panicum buncei	5052	U		Y	7
Poaceae	Panicum coloratum	5054	U		N	4
Poaceae	Panicum decompositum	6395	U		Y	19
Poaceae	Panicum effusum	5055	U		Y	233
Poaceae	Panicum gilvum	7340	U		N	1
Poaceae	Panicum laevinode	7773	U		Y	1
Poaceae	Panicum maximum var trichoglume	7666	U		N	1
Poaceae	Panicum miliaceum	5059	U		N	1
Poaceae	Panicum queenslandicum	5064	U		Y	3
Poaceae	Panicum queenslandicum var queenslandicum	9331	U		Y	4
Poaceae	Panicum simile	5066	U		Y	77
Poaceae	Panicum spp.	Pani	U		Y	17
Poaceae	Panicum subxerophilum	5067	U		Y	3
Poaceae	Paractaenum novae-hollandiae	5069	U		Y	1
Poaceae	Parapholis incurva	5070	U		N	1
Poaceae	Paspalidium albovillosum	5072	U		Y	2
Poaceae	Paspalidium aversum	5073	U		Y	22
Poaceae	Paspalidium caespitosum	5075	U		Y	3
Poaceae	Paspalidium constrictum	5077	U		Y	69
Poaceae	Paspalidium distans	7172	U		Y	12
Poaceae	Paspalidium gausum	5079	U		Y	2
Poaceae	Paspalidium globoideum	5080	U		Y	2

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Poaceae	Paspalidium gracile	5081	U		Y	111
Poaceae	Paspalidium jubiflorum	5082	U		Y	9
Poaceae	Paspalidium spp.	Pasa	U		Y	14
Poaceae	Paspalum dilatatum	5086	U		N	20
Poaceae	Paspalum distichum	5087	U		N	16
Poaceae	Pennisetum alopecuroides	5094	U		N	1
Poaceae	Pennisetum clandestinum	5096	U		N	5
Poaceae	Perotis rara	5104	U		Y	5
Poaceae	Phalaris paradoxa	5111	U		N	12
Poaceae	Phragmites australis	5113	U		Y	11
Poaceae	Poa compressa	5125	U		N	2
Poaceae	Poa labillardieri var labillardieri	7490	U		Y	44
Poaceae	Poa sieberiana	5141	U		Y	53
Poaceae	Poa sieberiana var hirtella	8744	U		Y	3
Poaceae	Poa sieberiana var sieberiana	8742	U		Y	29
Poaceae	Polypogon littoralis	5144	U		N	1
Poaceae	Polypogon monspeliensis	5145	U		N	1
Poaceae	Rostraria cristata	7878	U		N	5
Poaceae	Sacciolepis indica	5155	U		Y	2
Poaceae	Setaria gracilis	7471	U		N	3
Poaceae	Setaria paspalidioides	5166	U		Y	4
Poaceae	Setaria pumila	7842	U		N	1
Poaceae	Setaria viridis	5170	U		N	2
Poaceae	Sorghum halepense	5172	U		N	12
Poaceae	Sorghum leiocladum	5173	U		Y	5
Poaceae	Sporobolus actinocladus	5175	U		Y	1
Poaceae	Sporobolus caroli	5177	U		Y	28
Poaceae	Sporobolus creber	5179	U		Y	48
Poaceae	Sporobolus elongatus	5181	U		Y	12
Poaceae	Sporobolus indicus	6543	U		N	3

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Poaceae	Sporobolus mitchellii	5182	U		Y	41
Poaceae	Thellungia advena	5218	U		Y	3
Poaceae	Themeda australis	5219	U		Y	51
Poaceae	Themeda avenacea	5220	U		Y	3
Poaceae	Thyridolepis mitchelliana	5222	U		Y	44
Poaceae	Tragus australianus	5224	U		Y	9
Poaceae	Triodia mitchellii	5227	U		Y	9
Poaceae	Triodia mitchellii var pubivagina	7136	U		Y	10
Poaceae	Triodia scariosa ssp scariosa	8936	U		Y	1
Poaceae	Tripogon loliiformis	5229	U		Y	92
Poaceae	Triticum aestivum	5234	U		N	1
Poaceae	Urochloa panicoides	5237	U		N	18
Poaceae	Urochloa texana	7776	U		N	8
Poaceae	Vetiveria filipes	5238	U		Y	1
Poaceae	Vulpia bromoides	5239	U		N	1
Poaceae	Vulpia muralis	8516	U		N	14
Poaceae	Vulpia myuros	5242	U		N	23
Poaceae	Vulpia spp.	Vulp	U		Y	2
Polygalaceae	Comesperma sphaerocarpum	5256	U		Y	1
Polygalaceae	Polygala japonica	5259	U		Y	8
Polygalaceae	Polygala linariifolia	5260	E1		Y	5
Polygonaceae	Emex australis	5266	U		N	1
Polygonaceae	Fallopia convolvulus	5268	U		N	4
Polygonaceae	Muehlenbeckia florulenta	8626	U		Y	7
Polygonaceae	Persicaria attenuata	5277	U		Y	1
Polygonaceae	Persicaria decipiens	7568	U		Y	8
Polygonaceae	Persicaria hydropiper	5281	U		Y	2
Polygonaceae	Persicaria lapathifolia	5282	U		Y	14
Polygonaceae	Persicaria maculata	5283	U		Y	1
Polygonaceae	Persicaria prostrata	5285	U		Y	4

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Polygonaceae	Persicaria subsessilis	7312	U		Y	2
Polygonaceae	Polygonum arenastrum	5287	U		N	4
Polygonaceae	Polygonum aviculare	5288	U		N	22
Polygonaceae	Polygonum patulum	5290	U		N	3
Polygonaceae	Polygonum plebeium	5291	U		Y	6
Polygonaceae	Rumex brownii	5296	U		Y	92
Polygonaceae	Rumex crispus	5298	U		N	20
Polygonaceae	Rumex crystallinus	5299	U		Y	1
Polygonaceae	Rumex stenoglottis	7277	U		Y	1
Polygonaceae	Rumex tenax	5304	U		Y	1
Polypodiaceae	Pyrrosia rupestris	8163	U		Y	3
Portulacaceae	Anacampseros australiana	5307	U		Y	3
Portulacaceae	Calandrinia balonensis	5308	U		Y	3
Portulacaceae	Calandrinia calyptrata	5309	U		Y	1
Portulacaceae	Calandrinia eremaea	5311	U		Y	48
Portulacaceae	Calandrinia ptychosperma	5315	U		Y	1
Portulacaceae	Portulaca bicolor var rosea	9652	U		Y	3
Portulacaceae	Portulaca filifolia	5321	U		Y	4
Portulacaceae	Portulaca oleracea	5324	U		Y	11
Portulacaceae	Portulaca spp.	Port	U		Y	1
Potamogetonaceae	Potamogeton crispus	5330	U		Y	1
Potamogetonaceae	Potamogeton tricarinatus	7023	U		Y	1
Primulaceae	Anagallis arvensis	5334	U		N	75
Proteaceae	Banksia integrifolia	5343	U		Y	1
Proteaceae	Banksia marginata	5344	U		Y	2
Proteaceae	Conospermum spp.	Cono	U		Y	1
Proteaceae	Conospermum taxifolium	5352	U		Y	3
Proteaceae	Grevillea arenaria	5359	U		Y	15
Proteaceae	Grevillea floribunda	5370	U		Y	238
Proteaceae	Grevillea ramosissima	5393	U		Y	9

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Proteaceae	Grevillea sericea	5399	U		Y	3
Proteaceae	Grevillea spp.	Grev	U		Y	1
Proteaceae	Grevillea striata	5404	U		Y	4
Proteaceae	Grevillea triternata	5405	U		Y	55
Proteaceae	Hakea decurrens	5410	U		Y	11
Proteaceae	Hakea decurrens ssp decurrens	9763	U		Y	4
Proteaceae	Hakea leucoptera	5417	U		Y	8
Proteaceae	Hakea microcarpa	5420	U		Y	2
Proteaceae	Isopogon petiolaris	5438	U		Y	52
Proteaceae	Lomatia arborescens	5441	U		Y	7
Proteaceae	Persoonia cornifolia	5455	U		Y	1
Proteaceae	Persoonia curvifolia	5456	U		Y	53
Proteaceae	Persoonia cuspidifera	8371	U	3K	Y	95
Proteaceae	Persoonia sericea	5472	U		Y	286
Proteaceae	Persoonia spp.	Pers	U		Y	1
Proteaceae	Persoonia terminalis	9046	U	2R	Y	8
Proteaceae	Xylomelum cunninghamianum	7614	P13		Y	3
Proteaceae	Xylomelum pyriforme	5490	P13		Y	1
Pteridaceae	Pteris tremula	8175	U		Y	5
Pteridaceae	Pteris umbrosa	8176	U		Y	1
Ranunculaceae	Adonis microcarpa	5491	U		N	2
Ranunculaceae	Clematis aristata	5493	U		Y	26
Ranunculaceae	Clematis glycinoides	5495	U		Y	9
Ranunculaceae	Clematis glycinoides var glycinoides	6903	U		Y	1
Ranunculaceae	Clematis microphylla	5496	U		Y	19
Ranunculaceae	Ranunculus amphitrichus	7713	U		Y	1
Ranunculaceae	Ranunculus collinus	5503	U		Y	1
Ranunculaceae	Ranunculus inundatus	5507	U		Y	5
Ranunculaceae	Ranunculus lappaceus	5508	U		Y	38
Ranunculaceae	Ranunculus pumilio	5520	U		Y	1

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Ranunculaceae	Ranunculus pumilio var pumilio	8810	U		Y	2
Ranunculaceae	Ranunculus sessiliflorus	5525	U		Y	2
Ranunculaceae	Ranunculus sessiliflorus var sessiliflorus	8811	U		Y	9
Ranunculaceae	Ranunculus undosus	5528	U		Y	1
Rhamnaceae	Alphitonia excelsa	7686	U		Y	19
Rhamnaceae	Cryptandra amara	5554	U		Y	29
Rhamnaceae	Cryptandra amara var amara	8611	U		Y	8
Rhamnaceae	Cryptandra amara var floribunda	8246	U		Y	53
Rhamnaceae	Cryptandra amara var longiflora	8784	U		Y	3
Rhamnaceae	Cryptandra longistaminea	5559	U		Y	4
Rhamnaceae	Cryptandra spp.	Cryp	U		Y	2
Rhamnaceae	Discaria pubescens	5564	U	3RCa	Y	1
Rhamnaceae	Pomaderris andromedifolia	5567	U		Y	2
Rhamnaceae	Pomaderris angustifolia	5568	U		Y	1
Rhamnaceae	Pomaderris lanigera	5581	U		Y	3
Rhamnaceae	Pomaderris queenslandica	5592	E1		Y	2
Rhamnaceae	Ventilago viminalis	6377	U		Y	5
Ripogonaceae	Ripogonum album	6018	U		Y	2
Rosaceae	Acaena agnipila	5602	U		Y	3
Rosaceae	Acaena echinata	5603	U		Y	6
Rosaceae	Acaena novae-zelandiae	5604	U		Y	53
Rosaceae	Acaena ovina	5605	U		Y	1
Rosaceae	Acaena 'X anserovina'	9937	U		N	1
Rosaceae	Aphanes australiana	5609	U		Y	1
Rosaceae	Geum urbanum	5619	U		Y	2
Rosaceae	Rosa rubiginosa	5635	U		N	7
Rosaceae	Rubus fruiticosus	8509	U		N	3
Rosaceae	Rubus molluccanus var trilobus	10812	U		Y	17
Rosaceae	Rubus parvifolius	5642	U		Y	25
Rosaceae	Rubus rosifolius	5645	U		Y	3

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Rosaceae	Rubus spp.	Rubu	U		Y	1
Rosaceae	Rubus ulmifolius	5646	U		N	2
Rubiaceae	Asperula conferta	5653	U		Y	67
Rubiaceae	Asperula cunninghamii	5654	U		Y	6
Rubiaceae	Canthium latifolium	5664	U		Y	4
Rubiaceae	Canthium odoratum	5665	U		Y	11
Rubiaceae	Canthium oleifolium	5666	U		Y	46
Rubiaceae	Coprosma quadrifida	5675	U		Y	6
Rubiaceae	Galium aparine	5679	U		N	7
Rubiaceae	Galium binifolium	5681	U		Y	1
Rubiaceae	Galium ciliare	5682	U		Y	8
Rubiaceae	Galium gaudichaudii	5684	U		Y	44
Rubiaceae	Galium migrans	5686	U		Y	39
Rubiaceae	Galium murale	5687	U		N	2
Rubiaceae	Galium propinquum	5688	U		Y	3
Rubiaceae	Galium spp.	Gali	U		Y	2
Rubiaceae	Opercularia aspera	5697	U		Y	6
Rubiaceae	Opercularia diphylla	5698	U		Y	137
Rubiaceae	Opercularia hispida	5699	U		Y	1
Rubiaceae	Opercularia varia	5701	U		Y	1
Rubiaceae	Pomax umbellata	5703	U		Y	353
Rubiaceae	Synaptantha tillaeacea	5715	U		Y	11
Rutaceae	Boronia anethifolia	5734	P13		Y	3
Rutaceae	Boronia bipinnata	5736	P13		Y	36
Rutaceae	Boronia glabra	5742	P13		Y	131
Rutaceae	Boronia ledifolia	5744	P13		Y	3
Rutaceae	Boronia microphylla	5745	P13		Y	1
Rutaceae	Boronia warrumbunglensis	10044	P13		Y	3
Rutaceae	Citrus glauca	10760	U		Y	6
Rutaceae	Correa glabra var leucoclada	10799	U		Y	3

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Rutaceae	Correa reflexa var reflexa	8801	U		Y	3
Rutaceae	Flindersia maculosa	5795	U		Y	2
Rutaceae	Geijera parviflora	5800	U		Y	214
Rutaceae	Melicope micrococca	8625	U		Y	2
Rutaceae	Nematolepis squamea subsp squamea	10742	U		Y	5
Rutaceae	Phebalium glandulosum	5816	U		Y	2
Rutaceae	Phebalium nottii	5819	U		Y	3
Rutaceae	Phebalium obcordatum	5820	U	3RCa	Y	1
Rutaceae	Phebalium squamulosum	5826	U		Y	10
Rutaceae	Phebalium squamulosum ssp gracile	9286	U		Y	13
Rutaceae	Phebalium squamulosum ssp squamulosum	8374	U		Y	6
Rutaceae	Philotheca ciliata	10914	U		Y	26
Rutaceae	Philotheca difformis	10582	U		Y	2
Rutaceae	Philotheca difformis subsp difformis	10583	U		Y	2
Rutaceae	Philotheca ericifolia	10585	V		Y	7
Rutaceae	Philotheca salsolifolia	5831	U		Y	35
Rutaceae	Philotheca spp.	Phil	U		Y	1
Rutaceae	Zieria aspalathoides	5835	U		Y	18
Salicaceae	Populus nigra	5849	U		N	1
Salicaceae	Salix babylonica	5851	U		N	19
Sambucaceae	Sambucus gaudichaudiana	1954	U		Y	3
Santalaceae	Choretrum candollei	5856	U		Y	2
Santalaceae	Choretrum glomeratum	5857	U		Y	1
Santalaceae	Exocarpos aphyllus	5859	U		Y	13
Santalaceae	Exocarpos cupressiformis	5860	U		Y	97
Santalaceae	Santalum acuminatum	5868	U		Y	10
Santalaceae	Santalum lanceolatum	6384	U		Y	11
Santalaceae	Thesium australe	5871	V	3VCi	Y	2
Sapindaceae	Alectryon oleifolius	7015	U		Y	39
Sapindaceae	Alectryon oleifolius ssp elongatus	7085	U		Y	11

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Sapindaceae	Alectryon subcinereus	5875	U		Y	8
Sapindaceae	Alectryon subdentatus forma subdentatus	7358	U		Y	5
Sapindaceae	Atalaya hemiglauca	6365	U		Y	35
Sapindaceae	Dodonaea boroniifolia	5892	U		Y	13
Sapindaceae	Dodonaea falcata	6701	U		Y	43
Sapindaceae	Dodonaea filifolia	5896	U		Y	3
Sapindaceae	Dodonaea heteromorpha	6631	U		Y	55
Sapindaceae	Dodonaea macrossanii	7520	U	3R	Y	1
Sapindaceae	Dodonaea peduncularis	5902	U		Y	81
Sapindaceae	Dodonaea sinuolata	6580	U		Y	2
Sapindaceae	Dodonaea sinuolata ssp sinuolata	6573	U		Y	6
Sapindaceae	Dodonaea spp.	Dodo	U		Y	2
Sapindaceae	Dodonaea tenuifolia	5909	U		Y	3
Sapindaceae	Dodonaea triangularis	5910	U		Y	3
Sapindaceae	Dodonaea triquetra	5911	U		Y	1
Sapindaceae	Dodonaea viscosa	5913	U		Y	74
Sapindaceae	Dodonaea viscosa ssp angustifolia	7690	U		Y	33
Sapindaceae	Dodonaea viscosa ssp angustissima	7830	U		Y	3
Sapindaceae	Dodonaea viscosa ssp cuneata	7011	U		Y	80
Sapindaceae	Dodonaea viscosa ssp mucronata	6502	U		Y	40
Sapindaceae	Dodonaea viscosa ssp spatulata	7068	U		Y	53
Scrophulariaceae	Cymbalaria muralis ssp muralis	9736	U		N	1
Scrophulariaceae	Derwentia arenaria	9150	U	3RC-	Y	6
Scrophulariaceae	Derwentia derwentiana	8636	U		Y	1
Scrophulariaceae	Euphrasia collina	5958	U		Y	3
Scrophulariaceae	Glossostigma diandrum	5962	U		Y	1
Scrophulariaceae	Gratiola pedunculata	5966	U		Y	9
Scrophulariaceae	Gratiola peruviana	8718	U		Y	6
Scrophulariaceae	Linaria arvensis	5974	U		N	9
Scrophulariaceae	Mimulus gracilis	5982	U		Y	3

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Scrophulariaceae	Mimulus prostratus	5985	U		Y	5
Scrophulariaceae	Misopates orontium	7062	U		N	4
Scrophulariaceae	Stemodia florulenta	9288	U		Y	1
Scrophulariaceae	Stemodia glabella	9772	U		Y	8
Scrophulariaceae	Verbascum thapsus ssp thapsus	7625	U		N	3
Scrophulariaceae	Verbascum virgatum	5999	U		N	12
Scrophulariaceae	Veronica calycina	6003	U		Y	38
Scrophulariaceae	Veronica hederifolia	6005	U		N	1
Scrophulariaceae	Veronica plebeia	6009	U		Y	54
Simaroubaceae	Ailanthus altissima	6012	U		N	2
Smilacaceae	Smilax australis	7592	U		Y	18
Solanaceae	Calibrachoa parviflora	9777	U		N	1
Solanaceae	Cestrum parqui	6027	U		N	4
Solanaceae	Datura ferox	6030	U		N	11
Solanaceae	Datura inoxia	6031	U		N	1
Solanaceae	Datura stramonium	6033	U		N	2
Solanaceae	Lycium australe	6038	U		Y	1
Solanaceae	Lycium ferocissimum	6040	U		N	26
Solanaceae	Nicotiana glauca	6045	U		N	1
Solanaceae	Nicotiana megalosiphon ssp megalosiphon	7052	U		Y	2
Solanaceae	Nicotiana suaveolens	6050	U		Y	1
Solanaceae	Petunia axillaris	6053	U		Y	1
Solanaceae	Physalis ixocarpa	6056	U		N	1
Solanaceae	Solanum aviculare	6065	U		Y	7
Solanaceae	Solanum brownii	6067	U		Y	10
Solanaceae	Solanum campanulatum	6069	U		Y	2
Solanaceae	Solanum cinereum	6072	U		Y	24
Solanaceae	Solanum cleistogamum	6073	U		Y	20
Solanaceae	Solanum ellipticum	6079	U		Y	2
Solanaceae	Solanum esuriale	6081	U		Y	19

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Solanaceae	Solanum ferocissimum	6082	U		Y	91
Solanaceae	Solanum nigrum	6091	U		N	27
Solanaceae	Solanum opacum	6095	U		Y	16
Solanaceae	Solanum papaverifolium	6097	U		Y	2
Solanaceae	Solanum parvifolium	6098	U		Y	56
Solanaceae	Solanum prinophyllum	6100	U		Y	3
Solanaceae	Solanum pseudocapsicum	6101	U		N	10
Solanaceae	Solanum pungetium	6102	U		Y	3
Solanaceae	Solanum semiarmatum	6105	U		Y	1
Solanaceae	Solanum tetrathecum	6112	U		Y	40
Solanaceae	Solanum vescum	6115	U		Y	1
Stackhousiaceae	Stackhousia monogyna	6120	U		Y	13
Stackhousiaceae	Stackhousia muricata	6121	U		Y	220
Stackhousiaceae	Stackhousia viminea	6125	U		Y	20
Sterculiaceae	Brachychiton populneus	6128	U		Y	46
Sterculiaceae	Brachychiton populneus ssp populneus	8961	U		Y	3
Sterculiaceae	Commersonia fraseri	6130	U		Y	1
Sterculiaceae	Keraudrenia corollata var corollata	9387	U		Y	2
Sterculiaceae	Melhania oblongifolia	6645	U		Y	2
Sterculiaceae	Rulingia dasyphylla	6145	U		Y	1
Sterculiaceae	Rulingia procumbens	6147	V	3V	Y	5
Stylidiaceae	Levenhookia dubia	6152	U		Y	6
Stylidiaceae	Stylidium eglandulosum	6156	U		Y	42
Stylidiaceae	Stylidium graminifolium	6157	U		Y	8
Surianaceae	Cadellia pentastylis	6161	V	3RCa	Y	23
Thymelaeaceae	Pimelea curviflora	6176	U		Y	8
Thymelaeaceae	Pimelea curviflora var divergens	6774	U		Y	4
Thymelaeaceae	Pimelea curviflora var sericea	7241	U		Y	1
Thymelaeaceae	Pimelea latifolia	6180	U		Y	1
Thymelaeaceae	Pimelea ligustrina	6181	U		Y	4

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Thymelaeaceae	Pimelea linifolia	6182	U		Y	171
Thymelaeaceae	Pimelea linifolia ssp collina	6635	U		Y	2
Thymelaeaceae	Pimelea linifolia ssp linifolia	6814	U		Y	38
Thymelaeaceae	Pimelea micrantha	6871	U		Y	12
Thymelaeaceae	Pimelea microcephala ssp microcephala	6587	U		Y	7
Thymelaeaceae	Pimelea neo-anglica	6184	U		Y	49
Thymelaeaceae	Pimelea pauciflora	6186	U		Y	19
Thymelaeaceae	Pimelea stricta	6191	U		Y	4
Thymelaeaceae	Pimelea trichostachya	6194	U		Y	2
Typhaceae	Typha domingensis	7224	U		Y	4
Typhaceae	Typha orientalis	6217	U		Y	4
Ulmaceae	Trema tomentosa var viridis	10560	U		Y	1
Urticaceae	Australina pusilla	6223	U		Y	5
Urticaceae	Parietaria debilis	6231	U		Y	3
Urticaceae	Urtica incisa	6237	U		Y	57
Urticaceae	Urtica urens	6238	U		N	3
Verbenaceae	Clerodendrum tomentosum	6484	U		Y	7
Verbenaceae	Oncinocalyx betchei	6251	U		Y	12
Verbenaceae	Phyla nodiflora	6252	U		N	6
Verbenaceae	Verbena aristigera	10715	U		N	8
Verbenaceae	Verbena bonariensis	6256	U		N	38
Verbenaceae	Verbena brasiliensis	10720	U		N	6
Verbenaceae	Verbena hispida	6636	U		N	2
Verbenaceae	Verbena incompta	10718	U		N	1
Verbenaceae	Verbena litoralis	6258	U		N	1
Verbenaceae	Verbena officinalis	6259	U		N	33
Verbenaceae	Verbena quadrangularis	10720	U		N	2
Verbenaceae	Verbena rigida	6260	U		N	14
Violaceae	Hybanthus monopetalus	6266	U		Y	52
Violaceae	Hymenanthera dentata	6268	U		Y	31

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Violaceae	Viola betonicifolia	6270	U		Y	38
Violaceae	Viola hederacea	6272	U		Y	10
Viscaceae	Korthalsella rubra	6276	U		Y	2
Viscaceae	Korthalsella rubra ssp geijericola	6442	U		Y	1
Viscaceae	Notothixos cornifolius	6277	U		Y	1
Vitaceae	Cayratia clematidea	6281	U		Y	17
Vitaceae	Cissus antarctica	6282	U		Y	6
Vitaceae	Cissus hypoglauca	6283	U		Y	1
Vitaceae	Cissus opaca	6285	U		Y	3
Winteraceae	Tasmannia stipitata	6293	U		Y	1
Xanthorrhoeaceae	Xanthorrhoea acaulis	8373	U		Y	145
Xanthorrhoeaceae	Xanthorrhoea australis	6316	U		Y	35
Xanthorrhoeaceae	Xanthorrhoea glauca	8750	U		Y	8
Xanthorrhoeaceae	Xanthorrhoea glauca ssp angustifolia	8752	U		Y	26
Xanthorrhoeaceae	Xanthorrhoea johnsonii	6317	U		Y	7
Xanthorrhoeaceae	Xanthorrhoea media	6319	U		Y	1
Xanthorrhoeaceae	Xanthorrhoea spp.	Xant	U		Y	1
Xyridaceae	Xyris complanata	7247	U		Y	9
Zamiaceae	Macrozamia concinna	10526	U		Y	2
Zamiaceae	Macrozamia diplomera	6328	U		Y	24
Zamiaceae	Macrozamia heteromera	6330	U		Y	135
Zamiaceae	Macrozamia plurinervia	10531	U		Y	6
Zamiaceae	Macrozamia secunda	6334	U		Y	11
Zygophyllaceae	Tribulus micrococcus	9230	U		Y	12
Zygophyllaceae	Tribulus terrestris	7655	U		Y	7
Zygophyllaceae	Zygophyllum apiculatum	6350	U		Y	6
Zygophyllaceae	Zygophyllum glaucum	6354	U		Y	1
Zygophyllaceae	Zygophyllum iodocarpum	6357	U		Y	1

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APPENDIX 9. EXISTING VEGETATION MAPPING WITHIN STATE FOREST AND NATIONAL PARKS AND WILDLIFE SERVICE ESTATE WITHIN THE BIOREGION, INCLUDING THE TYPE OF MAPPING AVAILABLE (HARD COPY OR DIGITAL), IF THE FLORISTIC MAPPING IS UNTYPED ONLY, MAPPED IN CURRENT PROJECT (NEW MAPPING), EXISTING MAPPING ADEQUATE (MAPPING OK) AND IF THE AREA IS REQUIRED TO BE MAPPED OR REMAPPED IN STAGE 2.

State Forests	Hard copy maps	SF Digital layer	SF Untyped	New Mapping	Mapping OK	To be mapped or remapped
Baby		yes	yes			yes
Balladoran	yes	yes		yes		
Baradine		yes				yes
Beni	yes	yes		yes		
Bibblewindi		yes				yes
Biddon	yes	yes	yes	yes		
Black Jack		yes	yes	yes		
Bobbiwa		yes	yes			yes
Boyben		yes	yes			yes
Breelong	yes	yes		yes		
Breeza	yes	yes				yes
Bullawa Creek		yes	yes	yes		
Cobbora		yes	yes	yes		
Coomore Creek		yes				yes
Couradda		yes				yes
Courallie		yes				yes
Cubbo		yes				yes
Culgoora		yes				yes
Cumbil		yes				yes
Curban		yes	yes			yes
Curryall		yes	yes	yes		yes
Denobollie		yes				yes
Deriah	yes	yes	?			yes
Dilly		yes	yes			yes
Dinawirindi						Nandewar
Doona	yes	yes				yes
Dowe			?			Nandewar
Drillwarrina		yes		yes		
Durridgere		yes	yes	yes		
Eringanerin			?	yes		
Etoo		yes				yes
Euligal		yes				yes
Eumungerie	yes	yes				yes
Eura	yes	yes		yes		
Garrawilla	yes	yes		yes		
Gilgandra	yes	?		yes		
Goodiman		yes	yes			yes
Goonoo		yes		yes		
Goran	yes	yes		yes		
Irrigappa		yes				yes
Jacks Creek		yes				yes

Janewindi		yes	yes			yes
Kelvin	yes	yes	yes	yes		
Kerringle		yes				yes
Killarney		yes	yes			yes
Leard	yes	yes				yes
Lincoln	yes	yes		yes		
Merriwindi		yes				yes
Minnon		yes				yes
Mission		yes				yes
Moema		yes				yes
Mogriguy Flora Reserve	yes	yes		yes		
Montrose		yes				yes
Munmurra		yes	yes			yes
Orr		yes				yes
Pilliga East		yes				yes
Pilliga West		yes				yes
Pine Ridge		yes	yes			yes
Plagyan	yes	yes				yes
Quegobla		yes				yes
Rusden		yes	yes			yes
Ruttley		yes				yes
Spring Ridge	yes	yes		yes		
Terry Hie Hie		yes				yes
Timmallallie		yes				yes
Tinkrameanah		yes	yes	yes		
Trinkey		yes		yes		
Tuckland		yes	yes			
Turill		yes	yes			
Vickery	yes	yes		yes		
Warung		yes				yes
Waubebunga		yes		yes		
Wittenbra		yes				yes
Wondoba		yes	yes	yes		
Yalcogrin	yes	yes	yes	yes		
Yaminba		yes		yes		yes
Yarindury	yes	yes		yes		
Yarrigan		yes				yes
Yarrobil		yes	yes			yes
Yearinan		yes				yes
NPWS Estate	Hard copy maps	SF Digital layer	SF Untyped	New Mapping	Mapping OK	To be mapped or remapped
Binnaway NR		yes				
Brigalow Park NR				yes		
Claremont NR				yes		
Cedar Brush NR						yes
Coolah Tops NP		yes				yes

Coolbaggie NR				yes		
Dapper NR		yes				
Pilliga NR		yes	yes	yes		yes (partially completed only)
Towarri NP						yes
Warrumbungle NP		yes	yes			yes
Weetalibah NR		yes				
Wingen Maid NR						yes
Wongarbon NR				yes		

Aerial Photographic Interpretation (API) Handbook

Compiled by Wendy Harding

Aerial Photographic Interpretation (API) Handbook

1. Introduction

This handbook aims to provide an overview of the aerial photographic interpretation of the Western Regional Assessment (WRA) Study Area, NSW. This handbook provides information on the preparation of aerial photographs, API methodology, pen and ink requirements, API specifications and pathway, implementation of API mapping and scheduling, field work, and quality control procedures. Additional information in the form of SPUD's will be provided as necessary.

2. Sequence of Events

2.1 Preparation:

- Placing photos in tile bags with sticky labels
- Marking effective areas,
  series boundaries
  tenure boundaries
- Sticking on 'floristics' and 'field' overlays on photos in the study area and labelling each overlay

2.2 API Mapping:

- Mapping rainforest, special features and exclusions
- Mapping floristics
- Checking that all work is completed properly as outlined in Section 6.2.

2.3 Monitoring and Field Validation:

- This will be non-formal monitoring. It will be done concurrently with the mapping to assist mappers and provide parody across mappers.

2.4 Polygon Checking:

- This is a two phase operation.
    1. The first is photocopying of the overlays and a basic housekeeping, stereo edge matching completed, line work neat, labels correct check and so forth, as outlined in Section 9.

2.5 Validation:

- Road based field validation of the API

2.6 Data Capture:

- Photos go off to data capture contractors for scanning and incorporation into a GIS layer.

2.7 Accuracy Assessment:

- This will be an assessment of the final map product, both field and office based assessment.

3. Office procedures

3.1 Progress Reports

- Progress reports consist of a green "Weekly Progress Report",
- Progress reports must be filled in and handed to the API Manager each Monday afternoon by 12 O'clock lunchtime (week defined as Sunday to Sunday). If you do not work in the office on a regular basis you must ensure that the progress reports are sent to the API Manager by the allotted time,
- The Weekly Progress Report is used to comment on the interpretability of types and to indicate any difficulties encountered on a tile of photos, as well as a record of progress and time worked by the API contractor,

3.2 Field Assistants

When needing the assistance of a Field Assistant please see the API Manager first. In this way the manager can incorporate your request into their work schedule. They are not to be approached directly as they have plenty of work to do and we do not want to over load them.

3.3 Borrowing Procedures for: Books
Field maps
Photos
Equipment

- All items borrowed from the API Unit should be looked after with the utmost care, both in the field and in the office.
- When borrowing these resources please record all details in the relevant borrowing book.

3.4 Books

There will be some books and photocopies of books available for contractors to use. However, it is recommended that contractors source their own books where possible. Other resource material will be available on request from the API Manager.

3.5 Field Maps

- These are to be used when ever they are needed, either in the field or in the office,
- Fold maps up properly before returning at the end of the contract period,
- Any tears in maps must be repaired with masking tape immediately,
- Hanging maps must be returned to the rack you found them on in alphabetical order.
- These maps will be handed in at the end of the contract period with the roads traversed during the course of the field work annotated neatly in thick pink highlighter.

3.6 Photos

- See Appendix 1 - Photo handling procedures

3.7 Equipment

- All equipment available to API's and Field Assistants is stored in the cabinet near the API Managers' desk,

This cabinet is locked at all times and can only be accessed through an API Manager.

3.8 Herbarium Collection

- The API unit does not possess a herbarium collection of species likely to be encountered when mapping in the project area. However, it would be useful for people to bring in specimens for the purpose of developing a herbarium,
- When in the field collect new specimens to add to the herbarium collection. Make sure when collecting specimens for the herbarium that you collect buds, fruits, adult and juvenile leaves. The Field Assistants will press and prepare specimens for the herbarium.

3.9 API Information Folder

- Each person either mapper or fieldie will be given a API Handbook and Specifications folder,
- All new information will be placed in this folder,

4. API Preparation

Photos are a valuable resource and need to be handled with care. Photo handling procedures are outlined in appendix 1.

The mark up of effective areas on aerial photos must follow the set procedures outlined in appendix 2.

State Forest tenure boundaries will be marked on to all photos. These will be marked on using 1:25 000 topographic maps and an up to date GIS tenure layer as a guide. These lines will be marked directly onto the photo in **erasable ink** (not archival). Line colour and size are noted in figure 2.

Rainforest, special Features and excluded areas (RSX) will be marked onto the floristics overlay in red according to the specifications outlined in figure 2.

5. Pen and Ink Requirements

The following is a list of appropriate procedures when preparing photos.

Figure 2: Line and label standards for the South Coast Study Area:

Line Type	Line colour	Ink Type	Pen Type	Nib Size	On Photo or Overlay
Effective Area	Red	Drawing Ink	Rotring	0.18	Photo
Tenure Boundaries	Red Omnichrom	Rotring Drawing Ink	Rotring	0.18	Photo
Series Boundaries	Black or purple	Rotring Drawing Ink	Rotring	0.18	Photo
Fiducials	Red	Rotring Archival Ink	Rotring	0.18	Photo
RSEx	Red	Rotring Archival Ink	Rotring	0.18	Overlay
Floristics	Red	Rotring Archival Ink	Rotring	0.18	Overlay
Polygon Labels	Black	Rotring Archival Ink	Rotring	0.18	Overlay

6. API Methodology

6.1 Edgematching

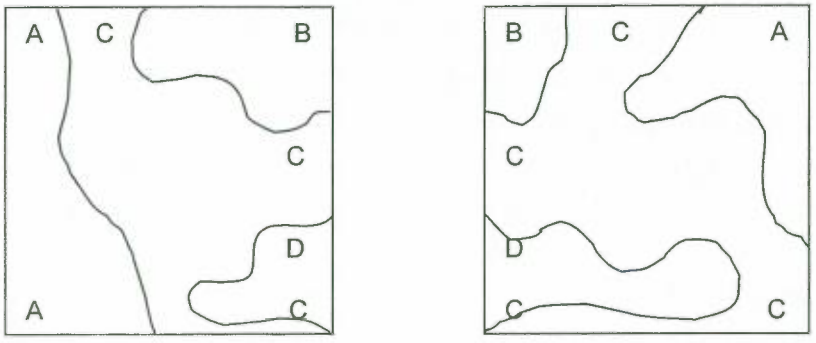
Edgematching is the responsibility of each API mapper. All edgematching should be complete on a tile so that it is no longer needed for mapping again before it is returned for data capture. When needing photos from other tiles for edgematching see API Manager for assistance. As a general rule, if line work has already been completed at the map sheet boundary by another interpreter, this line work and coding must be adopted by the interpreter reaching the boundary secondarily. Progress on edgematching must be recorded by the interpreter on the progress report.

6.2 Checking work which is the responsibility of the API Mapper

When mapping an API mapper should follow the following rules. These rules are particularly important to remembered when mapping and again when checking photos before they are returned for data capture.

- ALL LINEWORK SHOULD BE TRANSFERRED STEREOSCOPICALLY. Therefore the line work for polygons that cross more than one photo should be transferred stereoscopically.
- Labels for polygons that cross several photos should be located at the edge of the effective area where ever that polygon cross onto another photo. In this way confusion across photos as to what the label is, should be reduced (see diagram 1)
- When edgematching one 1:100 000 map sheet to another, the mapper should map up to the series boundary on one map sheet. The polygon tails of those polygons should then be stereoscopically transfered to the same series boundary line of the adjacent map sheet. Mapping can then continue on the next map sheet from that series boundary line,
- All labels must be clear,
- Always use valid labels (see code string book),
- It must be obvious which label belongs to which polygon,
- Edgematching is the responsibility of the API mapper. All edgematching should be complete on a tile so that it is no longer needed for mapping again before it is returned for data capture (see API Manager for assistance when needing photos for edgematching),
- Parallel lines should be no closer than 50 metres (2 mm),
- Series boundaries should be marked in black (definitely not archival) ink on the photo,
- Series boundaries follow obvious topographical or man made features preferably roads then ridgelines and then rivers & streams,
- When a photo is considered complete, a mapper should place a blank piece of paper between the acetate and the photo to look for errors like unlabeled polygons and incomplete polygon line work,
- All work should be contained within the effective area. NO line work should be evident outside the effective area,
- All polygon lines must be closed, having no loose ends or "doggy ears",

Diagram 1:



7. Field Work

7.1 Ground Truthing

Interpreters are allocated a minimum of 50% of API time for field reconnaissance. This will require assistance with 4WD vehicles into sometimes remote areas, undertaking field observations, collecting botanical material, and occasionally conducting point to plant field surveys. Field work should be conducted in blocks, particularly for remote areas, in order to reduce the amount of travel time.

7.2 Radio Training

All field assistants and preferably all API's should be proficient at using the car radios before they participate in any field work. Radio training will be available if needed.

7.3 Field Trip Planning

It is a requirement that before any field work is undertaken that the API mapper informs the API Manager of the need to do field work so that field assistance and vehicle can be organised. This must be done three days prior to the field trip. As part of this notification the API mapper must provide a itinerary for the field trip to the field assistant to help them identify areas where permission for access will be a issue. This may be in the form of a map with roads marked or it may be in writing. This allows the field assistant time to acquire permission for access into national parks, state

forest and other tenure, as well as organise vehicles, accommodation, equipment and any other necessary things, well in advance of the field trip.

The field assistant is then responsible for providing the names, addresses and phone numbers of all people contacted by the field assistant for access. This information along with the itinerary will be submitted to the API Manager prior to the field trip.

When acquiring access field assistants must contact the national park and state forest staff in the relevant districts (names listed below) three days prior to a field trip. This gives adequate time for these people to contact their staff about access and feed that information back to us. In addition to this, you will be given a "Letter of Introduction" to use if you need access to a property that was unforseen when you were planning the field trip. Do not under any circumstances enter a property without first being given permission by the landholder.

If you come across or cause a landholder to become irrate please try to placate them by explaining why you are there, and give them the "Letter of Introduction". Suggest to them that they may want to ring the API Manager for more information. Further, let the API Manager know immediately apon your return to the office. In this way the API Manager can then go through the proper channels to placate the unhappy person.

7.4 Standardisation of Species Names in the field

When recording species on field overlays in the field it is requested that standard abbreviations be used where possible. For the purpose of this project the use of the first three to four letters of the species name will be recorded when identifying species on field overlays. Due to the small scale photography, the use of 0.18 Rotring pens are preferable on field overlays, where this is not possible a fine fibre tipped pen may be used.

7.5 After the Field Trip

The API mapper is required to provide a detailed itinerary of areas/ roads traversed on the field trip when they return to the orifice. These should be drawn on field maps that were used during the field trip. These will be used to update field coverage maps. These maps will be digitised at a later

stage to provide a map of areas traversed throughout the course of the API project.

7.5 Responsibilities of the API Mappers, Field Assistants

7.5.1 Responsibilities of the API Mapper

When in the field an API mapper is responsible for the following things:

- All photos taken into the field by the API mapper,
- All other equipment taken into the field by the API mapper,
- Knowing where they are at all times, including discussing and informing the driver of their location throughout the day,
- Providing the field assistant with a detailed itinerary for the field trip three full working day prior to the field trip. This includes a map of the likely route to be travelled including which National Parks, State Forests, private land that you want to enter
- To provide adequate breaks throughout the day for both the driver and themselves,
- Knowing how to operate the radio,

7.5.2 Responsibilities of the Field Assistant

When in the field, a field assistant is responsible for the following things:

- Discussing with the API mapper and knowing your immediate location at all times,
- Informing all National Parks, State Forests and private land owners of your pending field trip. Where you are going and what you will be doing, and to inquire of any relevant information including access, work in progress and other things you should know before entering the area,
- Submitting the itinerary of areas to be traversed in the field along with the names, addresses and phone numbers of all people contacted regarding the field trip.
- Reporting any "incidences" to the API Coordinator immediately upon returning to the office

  incidences including
  - damage to the vehicle or equipment,
  - the use of any recovery equipment,
  - personal injuries,
  - encounters with landowners; positive or otherwise)
- Knowing how to operate the radio,

- Assisting the API mapper with their field work at all times including the identification of eucalypt species,
- Must check that all relevant equipment is available especially all relevant maps and recovery gear,

7.6 Suggested Things to take into the field

- Aerial Photos with strong field box for transporting photos
- Field maps including 1:25 000 topographic maps and project maps
- Pocket stereoscopes (Abbrams)
- Field board
- Permanent pens
- Field overlays
- Compass
- Specimen bags, Specimen sampler (hand fishing reel and rope) and species list
- Reference books
- Water bottle
- Tape measure

7.7 Care for the vehicle

When in the field it is both the field assistant and the mappers responsibility for the care of the vehicle (appendix 3).

8. Monitoring and Field Validation

Monitoring will be done concurrently with the mapping work. The API Manager and the Senior API Contractor will do random checks of API work. This will be both office and field based checks. This will be a non formal monitoring of work, designed to provide feedback to the API mappers.

Interpreters will also be required to exchange a sample of their work with other interpreters for general comment and feedback. Any issues arising from photo exchanges should be raised with Senior API Contractor so that potential solutions can be proffered.

9. Poly Checking Procedures

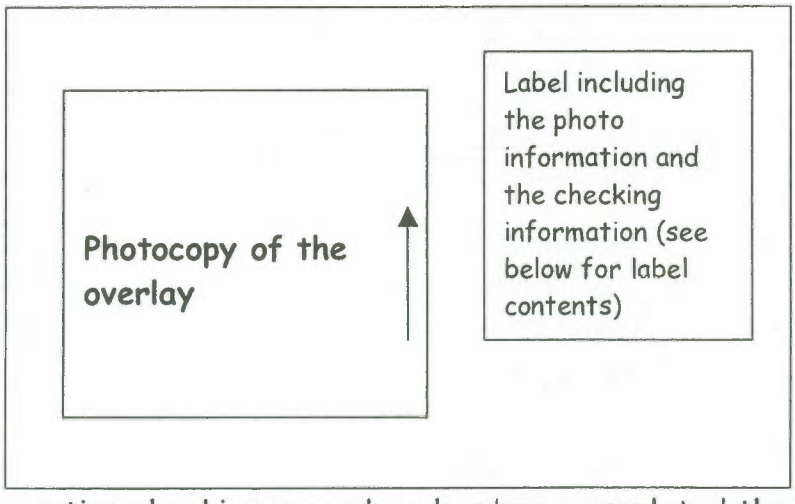
Once the interpreter completes API for a tile of photos, the photos will undergo a rigorous check. The aim of the check will be to provide data capture contractors with the most accurate API overlays as is possible. This will involve a two phase check demanding attention to detail.

1. Phase one will be a thorough check of the line work including an edgematch check both between runs and within runs (see 10.1).
2. Phase two will be a code string validity and presence check (see 10.2).

Errors found during the two phases of checking will be referred back to the interpreter for correction within seven days of having received the photos from the checker.

The checking procedure will be undertaking in the following way.

Firstly the overlay will be photocopy enlarged onto A3 paper with the north arrow pointing towards the top edge of the paper. In the top right hand corner of the paper will be a label. This will include all the information relevant to the photo and the checking procedure (see below).

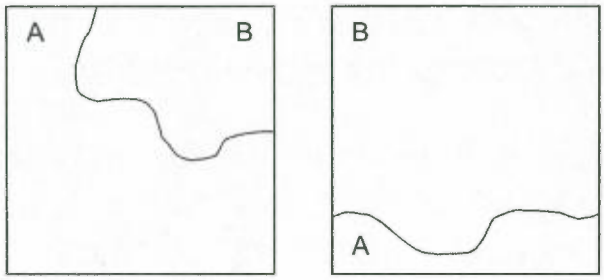


Once the entire checking procedure has been completed the A3 photocopies will be copied again, filed in manilla envelopes according to their series and tile name and then stored in the WRA office for security reasons. The first copy will then be sent with the photos to the data capture contractors.

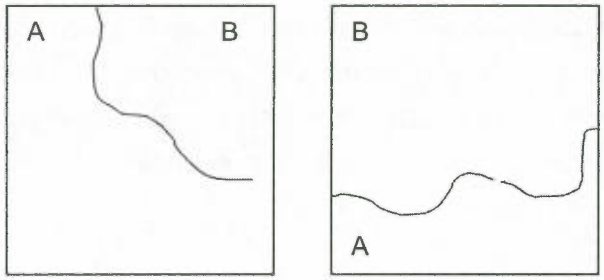
9.1 Edgematching

After the overlays have been photocopied they will be checked for line work errors. These errors could include mismatched lines, lines falling short of the effective area or line work on one overlay and not on the adjacent overlay with additional codes or mismatched codes within a polygon spanning adjacent photos (see below).

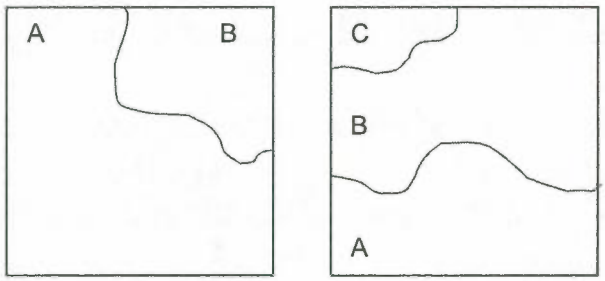
Offset lines



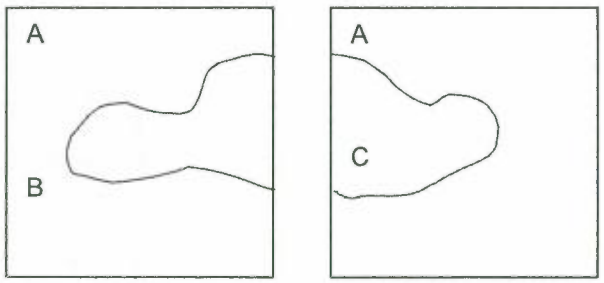
Lines falling short



Extra line work



Mismatched line and code



These errors will be highlighted on the photocopies with a pink highlighter.

9.2 Code String Verification

Once photos have been edgematched and the photocopied overlays annotated in pink, the code strings within polygons will be verified. As each polygon attribute code is entered into the spreadsheet it is referred to a lookup table that checks for valid and invalid code combinations. If the code is valid the spreadsheet assigns a new code for that polygon. This code is then clearly annotated on the photocopy and the original code underlined in red pen (the original code should still be legible). If there is an error with the code it will be highlighted with a yellow highlighter.

At this point any photos with errors will be returned (stereo pairs) with the A3 photocopies to the API mapper for correction. The mapper has seven days to correct the errors and return them to the checker for correction.

It is hoped this method will assist the data capture contractors. As a short numeric code rather that a long floristics or structure code should be easier for them to decipher. They can then enter this numerical code onto their GIS layer. This will hopefully reduce the chances of mistakes at the data capture end of proceedings.

10. Specification Updates (SPUD's)

Specification updates (SPUD's) will provide all project staff with up to date information on changes that occur throughout the project. These will be sent to each person when they are made. It is your responsibility to keep up to date with new information as it comes to hand.

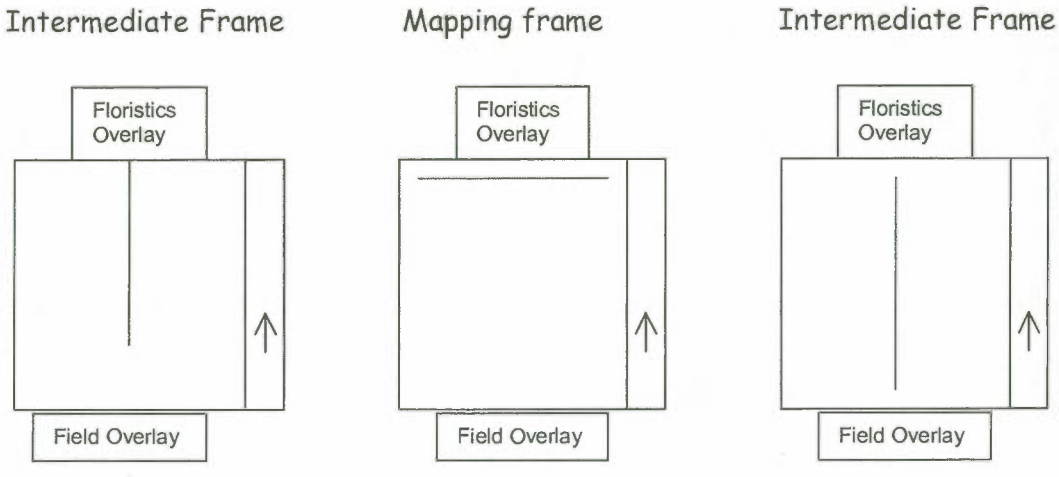
Appendix 1: Photo Handling Procedures

Please adhere to the following procedures at all times when using aerial photos

- Use cotton gloves at all times when handling aerial photos
- Do not draw on or mark aerial photos, use an overlay (unless otherwise advised by an API Manager),
- Attach overlays according to the procedures outlined in the API info folder,
- Store photos in numerical order, with the title bar towards the envelope opening.
- Avoid getting moisture between the overlay and the photo; it destroys the emulsion,
- Avoid using aerial photos in direct sunlight, rain or humid conditions,
- Do not leave a stereoscope sitting on photos in the sunlight: it will burn holes in the photo (like a magnifying glass),
- When sending photos via the post office or couriers make sure they are enclosed in a stiff cardboard box, with handling instructions and insure photos appropriately (general rule of thumb - 1:100 000 map sheet of photos should be insured for $5 000),
- Use a solid portable carry case when in the field,
- If photos have curled from heat, leave to cool; they will flatten out themselves,
- Do not bend or crease photos,
- Do not write on paper that is lying on top of photos; it will mark the photo,

Appendix 2: Effective Area Mark-up Procedures

- When marking effective areas in to aerial photos please ensure that the effective area is marked on to the photo according to the following style.
- Each overlay with label should be attached at the edge shown below.
- Mapping is contained to the Mapping Frame



The intermediate frame will be the first photo in a run and mapping frame the second. The third frame in the run will be marked that same as intermediate frame, the forth the same as mapping frame and so on.

Appendix 3: Care for the CRA vehicle

The following procedures should be adhered to at all times when using CRA vehicles.

- Before removing the vehicle from the compound check the vehicle thoroughly for damage and advise API Manager in writing (this may simply be a note on the managers task list).
- Leave car full of fuel at the end of every trip
- Check and refill oil if needed each time you fill up with fuel
- Turn radio off when entering forest so that the aerial does not snap off (it does not flex when it is hit). Some aerials may be removed and placed in the car before entering the forest, these must be returned before the vehicle is returned to the compound,
- Leave car clean and tidy both inside and out after each outing
- Fill in running sheet each day on all trips
- If you use any recovery equipment, clean it and ensure that it is working properly and stored correctly (e.g. make sure the winch is wound in properly) when you have finished with it
- Any damage to vehicles whether small and seemingly insignificant to large and very significant must be reported to the API Manager immediately on arrival back at the office. In this way repairs can be carried out ASAP. You may be required to pay for damage if damage is the result of negligence
- Inform the API manager 1000km before the next service is required

APPENDIX 11. EUCALYPT AND RELATED POLYGON CODES

API CLASSIFICATION - Brigalow Belt South Bioregion - *Ver 0505*				
Table 1: EUCALYPT and RELATED				
MAPPING LEVEL 2 (COMPLEX)	**LEVEL 2 CODE**	**LEVEL 3 CODE**	**MAPPING LEVEL 3 (TYPES)**	**SPECIES (dominant or codominant)**
Cypress black	E40	E4001	Cypress black	*C.endlicheri*
Cypress black - Bloodwood	E(S)56	E(S)5601	Cypress black - Brown Bloodwood	*C.endlicheri - C.trachyphloia*
		E(S)5602	Cypress black - Roughbarked Apple	*C.endlicheri - A.floribunda*
Cypress black - Box	E(S)44	E(S)4401	Cypress black - Bimble Box	*C.endlicheri - E.populnea*
		E(S)4402	Cypress black - Western Grey Box	*C.endlicheri - E.microcarpa*
		E(S)4403	Cypress black - White Box	*C.endlicheri - E.albens*
		E(S)4404	Cypress black - Yellow Box	*C.glaucophylla - E.microcarpa*
Cypress Black - Beyers Ironbark - Dwyers Red Gum	E(S)93	E(S)9301	Cypress Black -Beyers Ironbark - Dwyers Red Gum	*Callitris Endlicheri - E.beyeri - E.dwyeri*
Cypress black - Blueleaved Ironbark	E(S)46	E(S)4601	Cypress black - Blueleaved Ironbark	*C.endlicheri - E.nubila*
		E(S)4602	Cypress black - Blueleaved Ironbark - Brown Bloodwood	*C.endlicheri - E.nubila - C.trachyphloia*
		E(S)4603	Cypress black - Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*C.endlicheri - E.nubila - E.blakelyi / E.chloroclada*
		E(S)4604	Cypress black - Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*C.endlicheri - E.nubila - E.blakelyi / E.chloroclada - C.trachyphloia*
		E(S)4605	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	*Callitris Endlicheri - E.nubila - E.dwyeri*
Cypress black - Mugga Ironbark	E(S)47	E(S)4701	Cypress black - Mugga Ironbark	*C.endlicheri - E.sideroxylon*
Cypress black - Narrowleaved Ironbark	E(S)48	E(S)4801	Cypress black - Narrowleaved Ironbark	*C.endlicheri - E.crebra*
		E(S)4802	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*C.endlicheri - E.crebra - E.blakelyi / E.chloroclada*
		E(S)4803	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*C.endlicheri - E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia*
		E(S)4804	Cypress black - Narrowleaved Ironbark - Brown Bloodwood	*C.endlicheri - E.crebra - C.trachyphloia*
		E(S)4805	Cypress black - Narrowleaved Ironbark (Mugga Ironbark)	*C.endlicheri - E.crebra (E.sideroxylon)*
Cypress black - Red Gum	E(S)54	E(S)5401	Cypress black - Blakelys Red Gum / Baradine Red Gum	*C.endlicheri - E.blakeleyi / E.choroclada*
		E(S)5404	Cypress black - Tumbledown Redgum - Brown Bloodwood	*C.endlicheri - E.dealbata - E.trachyphloia*
		E(S)5405	Cypress black - Tumbledown Red Gum - Smoothbarked Apple	*C.endlicheri - E.dealbata - A.leiocarpa*
		E(S)5406	Cypress black - Tumbledown Red Gum	*C.endlicheri - E.dealbata*

Cypress Black - Red Ironbark	E(S)92	E(S)9201	Cypress Black - Red Ironbark	*Callitris Endlicheri - E.fibrosa*
		E(S)9202	Cypress Black - Red Ironbark - Brown Bloodwood	*Callitris Endlicheri - E.fibrosa - E.trachyphloia*
		E(S)9203	Cypress Black - Red Ironbark - Brown Bloodwood - Dwyers Red Gum	*Callitris Endlicheri - E.fibrosa - E.trachyphloia - E.dwyeri*
Cypress white	E41	E4101	Cypress white	*C.glaucophylla*
Cypress white - Cypress black	E42	E4201	Cypress white - Cypress black	*C.glaucophylla - C.endlicheri*
Cypress white - Bloodwood	E(S)43	E(S)4301	Cypress white - Brown Bloodwood	*C.glaucophylla - C.trachyphloia*
Cypress white - Box	E(S)45	E(S)4501	Cypress white - Bimble Box	*C.glaucophylla - E.populnea*
		E(S)4502	Cypress white - Fuzzy Box	*C.glaucophylla - E.conica*
		E(S)4503	Cypress white - Pilliga Box	*C.glaucophylla - E.pilligaensis*
		E(S)4504	Cypress white - Western Grey Box	*C.glaucophylla - E.microcarpa*
		E(S)4505	Cypress white - White Box	*C.glaucophylla - E.albens*
		E(S)4506	Cypress white - Yellow Box	*C.glaucophylla - E.melliodora*
Cypress white - Blueleaved Ironbark	E(S)49	E(S)4901	Cypress white - Blueleaved Ironbark	*C.glaucophylla - E.nubila*
		E(S)4902	Cypress white - Blueleaved Ironbark - Brown Bloodwood	*C.glaucophylla - E.nubila - C.trachyphloia*
		E(S)4903	Cypress white - Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*C.glaucophylla - E.nubila - E.blakelyi / E.chloroclada*
Cypress white - Mugga Ironbark	E(S)50	E(S)5001	Cypress white - Mugga Ironbark	*C.glaucophylla - E.sideroxylon*
		E(S)5002	Cypress white - Mugga Ironbark - Blakelys Red Gum / Baradine Red Gum	*C.glaucophylla - E.sideroxylon - E.blakelyi / E.chloroclada*
		E(S)5003	Cypress white - Mugga Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*C.glaucophylla - E.sideroxylon - E.blakelyi / E.chloroclada - C.trachyphloia*
Cypress white - Narrowleaved Ironbark	E(S)51	E(S)5101	Cypress white - Narrowleaved Ironbark	*C.glaucophylla - E.crebra*
		E(S)5102	Cypress white - Narrowleaved Ironbark - Brown Bloodwood	*C.glaucophylla - E.crebra - C.trachyphloia*
		E(S)5103	Cypress white - Narrowleaved Ironbark - Pilliga Box	*C.glaucophylla - E.crebra - E.pilligaensis*
		E(S)5104	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada*
		E(S)5105	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia*
		E(S)5106	Cypress white - Narrowleaved Ironbark - Roughbarked Apple	*C.glaucophylla - E.crebra - A.floribunda*
		E(S)5107	Cypress white - Narrowleaved Ironbark - White Box	*C.glaucophylla - E.crebra - E.albens*
		E(S)5108	Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	*C.glaucophylla (E.sideroxylon)*
		E(S)5109	Cypress white - Narrowleaved Ironbark - Western Grey Box (Fuzzy Box)	*C.glaucophylla - E.crebra - E.microcarpa (E.conica)*

Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark	E(S)52	E(S)5201	Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark	*C.glaucophylla - E.crebra - E.nubila*
Cypress white - Silver leaved Ironbark	E(S)53	E(S)5301	Cypress white - Silver leaved Ironbark	*C.glaucophylla - E.melanoploia*
Cypress white - Red Gum	E(S)55	E(S)5507	Cypress white - Tumbledown Red Gum	*C.glaucophylla - E.dealbata*
		E(S)5508	Cypress white - Tumbledown Red Gum - Brown Bloodwood	*C.glaucophylla - E.dealbata - C.trachyphloia*
		E(S)5509	Cypress white - Blakelys Red Gum / Baradine Red Gum - Pilliga Box	*C.glaucophylla - E.blakelyi / E.chloroclada - E.pilligaensis*
		E(S)5510	Cypress white - Blakelys Red Gum / Baradine Red Gum - Smoothbarked Apple	*C.glaucophylla - E.blakelyi / E.chloroclada - A.leiocarpa*
		E(S)5511	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	*C.glaucophylla - E.blakelyi / E.chloroclada - A.floribunda*
		E(S)5512	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	*C.glaucophylla - E.blakelyi / E.chloroclada - E.albens*
		E(S)5513	Cypress white - Roughbarked Apple	*C.glaucophylla - A.floribunda*
		E(S)5514	Cypress white - Blakelys Red Gum	*C.glaucophylla - E.blakelyi*
Beyers Ironbark	E89	E8901	Beyers Ironbark - Dwyers Red Gum	*E.beyeri - E.dwyeri*
		E8902	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood	*E.beyeri - E.dwyeri - C.trachyphloia*
		E8903	Beyers Ironbark - Cypress black - Dwyers Red Gum - Brown Bloodwood	*E.beyeri - C.endlicheri - E.dwyeri - C.trachyphloia*
Blueleaved Ironbark	E57	E5701	Blueleaved Ironbark	*E.nubila*
Blueleaved Ironbark - Bloodwood	E62	E6201	Blueleaved Ironbark - Brown Bloodwood	*E.nubila - C.trachyphloia*
Blueleaved Ironbark - Red Gum	E67	E6701	Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*E.nubila - E.blakelyi / E.chloroclada*
		E6702	Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*E.nubila - E.blakelyi / E.chloroclada - C.trachyphloia*
		E6704	Blueleaved Ironbark - Dwyers Red Gum	*E.nubila - E.dwyeri*
Blueleaved Ironbark - Stringybark	E71	E7101	Blueleaved Ironbark - Red Stringybark	*E.nubila - E.macrorhryncha*
Caleys Ironbark	E58	E5801	Caleys Ironbark	*E.caleyi*
Mugga Ironbark	E59	E5901	Mugga Ironbark	*E.sideroxylon*
Mugga Ironbark - Box	E64	E6401	Mugga Ironbark - Pilliga Box	*E.sideroxylon - E pililgaensis*
		E6402	Mugga Ironbark - Western Grey Box	*E.sideroxylon - E.microcarpa*
		E6403	Mugga Ironbark - White Box	*E.sideroxylon - E.albens*
Mugga Ironbark - Red Gum	E68	E6801	Mugga Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	*E.sideroxylon - E.blakelyi / E.chloroclada - A.floribunda*
Narrowleaved Ironbark	E60	E6001	Narrowleaved Ironbark	*E.crebra*
		E6002	Narrowleaved Ironbark (Mugga Ironbark)	*E.crebra (E.sideroxylon)*

Narrowleaved Ironbark - Bloodwood	E63	E6301	Narrowleaved Ironbark - Brown Bloodwood	*E.crebra - C.trachyphloia*
		E6302	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple	*E.crebra - C.trachyphloia - A.floribunda*
Narrowleaved Ironbark - Box	E65	E6501	Narrowleaved Ironbark - White Box	*E.crebra - E.albens*
		E6502	Narrowleaved Ironbark - Western Grey Box	*E.crebra - E.microcarpa*
		E6503	Narrowleaved Ironbark - Fuzzy Box	*E.crebra - E.conica*
		E6504	Narrowleaved Ironbark - Pilliga Box	*E.crebra - E.pilligaensis*
Narrowleaved Ironbark - Blueleaved Ironbark - Red Gum	E69	E6901	Narrowleaved Ironbark - Blueleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*E.crebra - E.nubila - E.blakelyi / E.chloroclada*
Narrowleaved Ironbark - Red Gum	E70	E7001	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia*
		E7002	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	*E.crebra - E.blakelyi / E.chloroclada*
		E7003	Narrowleaved Ironbark - Dwyers Red Gum	*E.crebra - E.dwyeri*
		E7004	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	*E.crebra - E.blakelyi / E.chloroclada - A.floribunda*
		E7005	Narrowleaved Ironbark - Smoothbarked Apple	*E.crebra - A.leiocarpa*
		E7006	Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple	*E.crebra - E.blakelyi - A.leiocarpa*
		E7007	Narrowleaved Ironbark - Baradine Red Gum	*E.crebra - E.chloroclada*
		E7008	Narrowleaved Ironbark - Baradine Red Gum - Red Stringybark	*E.crebra - E.chloroclada - Emacrorhyncha*
Narrowleaved Ironbark - Stringybark	E72	E7201	Narrowleaved Ironbark - Red Stringybark	*E.crebra - E.macrorhrynchа*
Red Ironbark	E91	E9101	Red Ironbark	*E.fibrosa*
		E9102	Red Ironbark - Brown Bloodwood	*E.fibrosa - C.trachyphloia*
		E9103	Red Ironbark - Brown Bloodwood - Dwyers Red Gum	*E.fibrosa - C.trachyphloia - Edwyeri*
		E9104	Red Ironbark - Dwyers Red Gum	*E.fibrosa - Edwyeri*
Silver leaved Ironbark	E61	E6101	Silver leaved Ironbark	*E.melanoploia*
Silverleaved Ironbark - Box	E66	E6601	Silverleaved Ironbark - White Box	*E.melanophloia - E.albens*
		E6602	Silverleaved Ironbark - Yellow Box	*E.melanophloia - E.melliodora*
Black Box - Coolabah	E73	E7301	Black Box	*E.largiflorens*
		E7302	Coolibah	*E.coolibah*
Bloodwood	E81	E8101	Brown Bloodwood	*C.trachyphloia*
		E8102	Brown Bloodwood - Dwyers Red Gum	*C.trachyphloia - E.dwyeri*
		E8103	Brown Bloodwood - Red Stringybark	*C.trachyphloia - E.macrorhyncha*
Fuzzy Box	E88	E8801	Fuzzy Box	*E.conica*
Pilliga Box - Bimble Box	E74	E74C1	Bimble Box	*E.populnea*
		E74C2	Pilliga Box	*E.pilligaensis*
		E74C3	Pilliga Box - Bimble Box	*E.pilligaensis - E.populnea*

Red Gum	E77	E7701	Blakelys Red Gum	*E.blakelyi*
		E7702	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	*E.blakelyi / E.chloroclada - C.trachyphloia*
		E7703	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood - Roughbarked Apple	*E.blakelyi / E.chloroclada - C.trachyphloia - A.floribunda*
		E7704	Blakelys Red Gum / Baradine Red Gum - Pilliga Box	*E.blakelyi / E.chloroclada - E.pilligaensis*
		E7705	Tumbledown Red Gum	*E.dealbata*
		E7706	Baradine Red Gum	*E.chloroclada*
		E7707	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box)	*E.blakelyi / E.chloroclada - E.microcarpa (E.conica)*
		E7708	Baradine Red Gum - Red Stringybark	*E.chloroclada - E.macrorhyncha*
		E7709	Baradine Red Gum - Red Stringybark	*E.blakelyi - E.macrorhyncha*
		E7710	Blakelys Red Gum - Western Grey Box	*E.blakelyi - E.microcarpa*
Red Gum - Apple	E78	E7801	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	*E.blakelyi / E.chloroclada - A.floribunda*
		E7802	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple - Desert Pine	*E.blakelyi / E.chloroclada - A.floribunda - C.preisii*
		E7803	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple - Smoothbarked Apple	*E.blakelyi / E.chloroclada - A.floribunda - A.leiocarpa*
		E7804	Blakelys Red Gum / Baradine Red Gum - Smoothbarked Apple	*E.blakelyi / E.chloroclada - A.leiocarpa*
		E7805	Roughbarked Apple	*A.floribunda*
		E7806	Smoothbarked Apple	*A.leiocarpa*
		E7807	Rough Barked Apple / Smoothbarked Apple	*A.floribunda / A.leiocarpa*
River Red Gum	E79	E7901	River Red Gum	*E.camaldulensis*
River Red Gum - Black Box - Coolabah	E80	E8001	River Red Gum - Black Box	*E.camaldulensis - E.largiflorens*
Scribbly Gum	E82	E8201	Scribbly Gum - Brown Bloodwood	*E.rossii - C.trachyphloia*
		E8202	Scribbly Gum -Brown Bloodwood - Stunted Ironbark / Narrowleaved Ironbark	*E.rossii - E.trachyphloia - E.beyeri / E.crebra*
		E8203	Scribbly Gum	*E.rossii*
		E8204	Scribbly Gum - Roughbarked Apple	*E.rossii - A.floribunda*
Snow Gum	E83	E8301	Snow Gum	*E.pauciflora*
Snow Gum - Mountain Gum	E84	E8401	Mountain Gum - Snow Gum	*E.dalrympleana- E.pauciflora*
Spotted Gum	E85	E8501	Spotted Gum	*C.maculata*
		E8502	Spotted Gum - White Stringybark	*C.maculata - E.spp.*
		E8503	Spotted Gum - Narrowleaved Ironbark	*C.maculata - E.crebra*
Stringybark	E86	E8601	Red Stringybark	*E.macrorhryncha*
		E8602	Blueleaved Stringybark	*E.agglomerata*
		E8603	Narrowleaved Stringybark	*E.sparsifolia*
		E8604	White Stringybark	*E.spp.*

Tree Mallee	E87	E8701	Green Mallee	*E.viridis-rw*
		E8702	Dwyers Red Gum	*E.dwyeri*
		E8703	White Mallee	*E.dumosa*
Western Grey Box	E90	E9001	Western Grey Box	*E.microcarpa*
		E9002	Western Grey Box (Fuzzy Box)	*E.microcarpa (E.conica)*
White Box	E75	E7501	White Box	*E.albens*
		E7502	White Box - Red Stringybark	*E.albens - E.macrorhryncha*
Yellow Box	E76	E7601	Yellow Box	*E.melliodora*
		E7602	Yellow Box - Blakelys Red Gum / Baradine Red Gum	*E.melliodora - E.blakelyi*
Grey Gum	E95	E9501	Grey Gum	*E.punctata*
Pilliga Box	E94	E9401	Pilliga Box	*E pililgaensis*
		E9402	Pilliga Box (Fuzzy Box)	*E pililgaensis (E.conica)*
		E9502	Grey Gum - Grey Ironbark (White Stringybark)	*E.punctata - E.crebra (E.spp.)*
UNINTERPRETABLE (recent, severe fire damage etc)	E99			

The following characters are used to indicate the dominant and co-dominant species combinations that may constitute a type
= species bracketed may be locally absent, or where several species are bracketed, those species may be present singularly or in any combination.
= and i.e. species separated by hyphen must be present
= and / or i.e. both species or one of the two species must be present

API CLASSIFICATION Brigalow Belt South Bioregion) - *Ver 0106*

Table 1b Rainforest

Class	L1 Code
Rainforest	RR
Rainforest with Eucalypt emergents (emergents > 5%ccp)	RE
Viney scrub	RV
Severe disturbance (combination of various factors)	RD

Table 2b Special Features - Other forest / woodland features *(> 10% ccp tree cover)*

Comprising non eucalypt and related tree growth form

Forest formation level 1	L1 Code	Sub formation level 2	L2 Code	Indicators
Allocasuarina / Casuarina	FR	Various spp.		
		Belah	FR1	*C.cristata*
		Bull Oak	FR2	*A. luehmannii*
		Allocasuarina gymnanthera	FR3	*A. gymnanthera*
Wattle / native pioneers	FW	Various spp.		
	FW	Brigalow	FW1	*A. harpophylla*
		Myall	FW2	*A. pendula*
Other		Ooline (Scrub Myrtle)		*Cadelia pentastylis*
Unnatural forest / woodland communities	UF	Various		
	UF	Willow	UF1	*Salix spp.*

Table 2c Special Features – Shrubland / Scrub and Structurally complex natural features *(< 10% ccp tree cover)*

Vegetated areas; usually fragmented; various growth forms may be present; (*heath shrub <2m; scrub 2 to 5m; tree >5m*)

Community complex	L1 Code	Sub formation level 2	L2 Code	Indicator
Riparian complex	XR			Trees/scrub / rock / gravel beds / water / other
Swamp	XS			Sedgeland / rushland _various spp.
Heath / scrub complex	XH			Shrubland_various spp
		Broombush	XH1	*Melaleuca uncinata (Calytrix tetragona)*
		Fringe-myrtle (Broombush)	XH2	*Calytrix tetragona*
			XH3	*Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)*
Gramminoid complex	XZ			Grass and "grass like" ground cover present throughout. May be intermixed with scattered shrubs. A tree layer (usually woodland) invariably present e.g. Box / Red Gum woodland
Native grassland	XG			Grassland_various spp.
		Spinifex	XG1	*Trodia spp.*
Rock / plateau complex	XV			Rock with >10% vegetation cover (eg rock intermixed with shrubs / scrub / very sparse trees

Table 2d Special Features –Non-vegetated natural features

(Trees not present and other vegetation cover <10%)

Community / feature	L1 Code	Indicator
Rock	NR	Large areas of rock with <10% vegetation cover*(essentially not vegetated, as compared to* **V** *above)*
Bare ground, sand, etc	NB	<10% vegetation cover

Table 2e Exclusions

Community / feature	L1 Code	Conditions
Pasture / crops/ exotic weeds / non-timber plantations / developments	EX	< 20ha
Isolated patches of Eucalypt forest (within an excluded area)	EX	< 20ha each
Isolated non forest special features (within an excluded area)	EX	< 20ha each

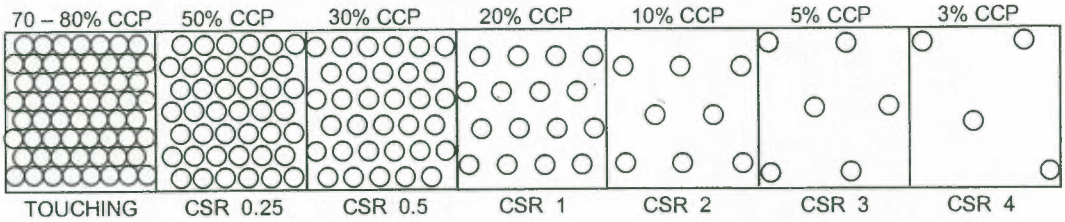
APPENDIX 13. API RELIABILITY POLYGON CODES

API POLYGON RELIABILITY INDEX

FIELD OBSERVATION	EXTRAPOLATION / INTERPRETABILITY OF TYPE	API PROBABILITY	CODE
localised	Interpretation generally good, prediction / validation consistent	Generally > 70% correct	A
	Interpretation fair, prediction / validation variable	Generally > 70% correct	A
	Interpretation poor, prediction / validation variable	Generally > 50% correct	B
limited	Interpretation generally good, prediction / validation consistent	Generally > 70% correct	A
	Interpretation fair, prediction / validation variable	Generally > 50% correct	B
	Interpretation poor, prediction / validation variable	Variable, occasionally <50% correct	C
very limited or nil (inaccessible)	Interpretation generally good, prediction / validation consistent	Generally > 70% correct	A
	Interpretation fair, prediction / validation variable	Variable, occasionally <50% correct	C
	Interpretation poor, prediction / validation variable	Variable, <50% likely	D

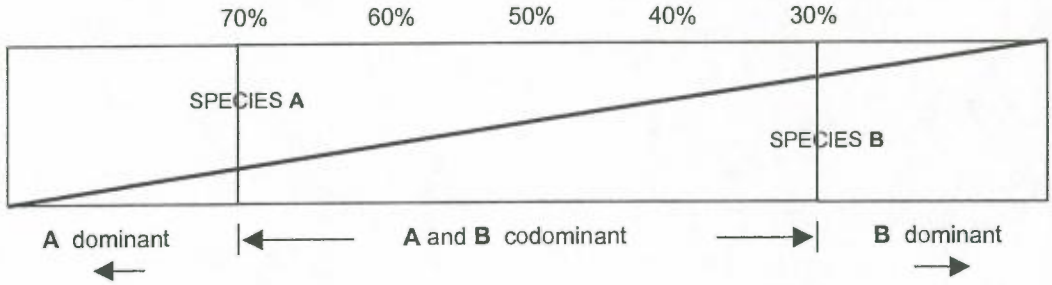
APPENDIX 14. API GUIDELINES FOR ASSIGNING POLYGON CODES

Diag 1
CROWN COVER LIMITS FOR DELINEATION OF EUCALYPT AND RELATED POLYGONS

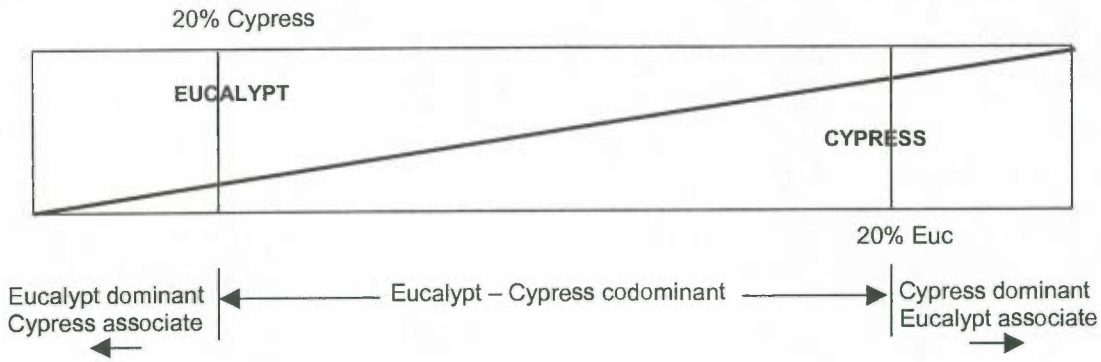


CCP = CROWN COVER PERCENT
CSR = CANOPY SEPARATION RATIO (crown gap / width ratio)
5% CCP minimum density to be adopted for delineation of woodland communities

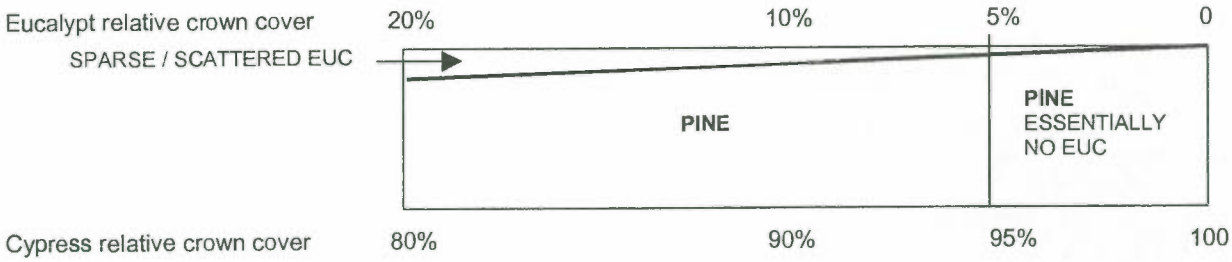
Diag 2
RELATIVE CROWN COVER LIMITS FOR DETERMINING DELINEATION OF EUCALYPT DOMINANT / CODOMINANT POLYGONS



Diag 3
RELATIVE CROWN COVER LIMITS FOR DELINEATION OF EUCALYPT plus CYPRESS CODOMINANT POLYGONS



Diag 4
RELATIVE CROWN COVER LIMITS FOR DELINATION OF PINE DOMINANT POLYGONS
Sparse to very sparse cover of Eucalypts may be present



Where scattered or sparse Eucalypt occurs as an associate within Cypress dominant stands (i.e Euc relative crown cover <20%) such areas are to be delineated and coded using mapping level 2 or level 3 types from Table 1, however to differentiate between polygons of codominant Cypress – Eucalypt stands and polygons of Cypress dominant stands with scattered Euc only, the "**E**" alpha prefix of the Euc and related code from table 1 is to be replaced with an "**S**" character indicating sparse Eucalypt occurring as an associate component within a Cypress dominant polygon.
Where the sparse Eucalypt component is essentially absent (CCP <5%) in a Cypress dominant stand, such areas are to be delineated and coded as Cypress only i.e. E40, E41 or E42.

Project Brief

A. Project Title:

Control, digital data capture and GIS compilation of the aerial photography for the Brigalow Belt South Bioregion. The part and whole 1:100 000 map sheets of the area are listed in the table at section "K" of this brief.

B. Scope

The Western Directorate of NPWS and State Forests, through funding by the Resource Assessment and Conservation Division (RACD) of Department of Urban Affairs and Planning (DUAP), are undertaking a Western Regional Assessment (WRA) of the forested areas within the Brigalow Belt South Bioregion, south of Narrabri. The assessment involves the collection of vegetation, flora, fauna and cultural heritage information.

The Western Regional Assessment Aerial Photographic Interpretation (WRA-API) mapping project is capturing a range of forest attribute data including vegetation types. This project has been designed to provide detailed vegetation information to develop a 1:50,000 scale vegetation map which will aid the in developing a regional forest agreement. Areas are mapped by the delineation and coding of polygons of the required attributes on clear acetate overlays attached to the photographs. The floristics data is captured on a single overlay.

C. Study Area

The area covers approximately 11 part and whole 1:100 000 map sheets. The maps included are Baan Baa, Blackville, Boggabri, Cobbora, Coonabarabran, Curlewis, Dubbo, Gilgandra, Mendooran, and Tambar Springs. The area to be captured cover approximately 52 aerial photographs, of these 5 are 1:25 000 photographs and 47 are 1:50 000 photographs.

D. Project Objective

To provide a GIS layer of the API information by the end of February 2000.

E. Project Tasks (Tenderer)

Completion of the following tasks to a high professional standard is required:

The information interpreted from aerial photos is marked on 52 overlays (see table 1 at section "K" of this brief), with arc data in red and attribute data in black. The management unit for contract work will be in discrete forest areas. Overlays and photos provided by the principal for the contract work will be in forest area units.

The required work includes:

- Capture of data interpreted from 1:25 000 and 1:50 000 aerial photographs, including rectification, editing and compilation into seamless, cleaned and built digital layers over the contract area.
- Entry into GIS layers of attribute codes supplied on the interpreters' overlays. Attribute codes are shown in Tables 2, 3 and 4 which are attached.
- Correspondence with the principal regarding any issues related to the correction of errors and omissions to the work outlined above.

F. Contract Material

- The final products will consist of:

1) a single ARCINFO compatible vector export file of floristics attributes over the area covered by the contract, compiled from photograph overlays with the floristics attributes identified by aerial photographic interpreters,
2) residual error reports for the transfer of survey control points, and
3) a report on missing or incorrect codes and modifications made in the GIS layers to correct errors and omissions on the overlays and, with locations identified on a supplied error coverage.

- Interim products will consist of paper print from ARCINFO compatible files of floristics attributes for each of the forests as they are completed (schedule of delivery to be established),
- Interim products will be produced from files with edges unstitched to adjoining forest areas.
- All products will be transformed to Australian Map Grid Zone 55.
- Final product will be supplied clean and built, after editing

G. Standards

- Linework tolerance = 37.5 metres for 1:25 000 photography and 50 metres for 1:50 000 photography
- ARCINFO snap distance = 15 metres for 1:25 000 photography and 15 metres for 1:50 000 photography
- ARCINFO fuzzy distance = 15 metres for 1:25 000 photography and 15 metres for 1:50 000 photography
- All polygons are to be labelled.
- No polygons are to have more than one label.
- All labels to be correct in accordance with the API decision making pathway at section L of this brief.

H. NPWS Support:

The NPWS will provide the following resources in addition to payment for the project:

1) Aerial photographs with overlays attached, in accordance with the schedule in the section "K" of this brief (schedule of delivery to be established),
2) 25 metre DEM for the contract in ARCINFO BIL format;
3) Scanned topographic map information in J Peg images (.jpg);
4) API decision making pathway and Specification tables.

Dclivery

Two copies of the final product are to be delivered to the Principal' Representative on compact discs.

I. Steering Committee:

The project will be managed by the NSW NPWS Western Regional Assessment Unit under the guidance of a Steering Committee. The Steering Committee will consist of the following persons:

- API Project Manager - Wendy Harding
- Vegetation Project Manager - Doug Beckers

The contractor is required to discuss progress with the above group and meet at intervals as agreed.

Timetable for Project

It is expected that the contract will commence mid January. The Project must be completed by 29th February 2000

J. Schedule of Overlays

Table 1.

1:100 000 Scale Map Areas	Scale of Photography
Curlewis	1:25 000
Blackville	1:25 000
Baan Baa	1:50 000
Boggabri	1:50 000
Cobbora	1:50 000
Coonabarabran	1:50 000
Dubbo	1:50 000
Gilgandra	1:50 000
Mendooran	1:50 000
Tambar Springs	1:50 000

K. Specifications tables (Attached)

Table 2. Eucalyptus and related classification table (Appendix 11)
Table 3. Rainforest, Special features and Exclusions classification table (Appendix 12)
Table 4. Api Polygon Reliability Index (Appendix 13)

APPENDIX 16. METADATA STATEMENT FOR THE ARC-VIEW DIGITAL VEGETATION DATA

Dataset

TITLE
Vegetation Mapping for selected NPWS and SFNSW tenure within Brigalow Belt South Bioregion

Custodian
NSW National Parks and Wildlife Service

Jurisdiction
New South Wales

CONTACT

Contact Organisation
National Parks and Wildlife Service

Contact Position
WRA GIS Officer

Contact Address
52 Wingewarra Street
PO Box 2111

Suburb/Locality/Place
Dubbo

State
NSW

Country
Australia

Postcode
2830

Telephone
02 6883 5316

Facsimile
02 6884 8675

E-Mail Address
brent.marchant@npws.nsw.gov.au

DESCRIPTION

Abstract
Vegetation Mapping for selected NPWS and SFNSW tenure within Brigalow Belt South Bioregion captured using 1:50000 scale colour aerial photographs during 1999-2000 as part of the Western Regional Assessment - Brialow Belt South Stage 1

Search Words
VEGETATION Floristic; Regional Forest Agreement ; Mapping

Geographic Extents - Name
Bioregion - Brigalow Belt South

Geographic Extents - Polygon
X min
643565.50
X max
820813.19
Y min
6422881.50
Y max
6640258.00

DATA CURRENCY

Beginning Date
01Oct1999

End Date
08May2000

DATASET PROGRESS

Progress
Completed

Maintenance and Update Frequency
As Required

ACCESS

Stored Format
DIGITAL ArcView ArcView 3.1 under Microsoft Windows NT

Available Format Types
DIGITAL - ArcView Shapefile

Access Constraints
State Government Use Only

DATA QUALITY

Lineage
Source data collected using 1:50000 colour aerial photography.
Overlays digitised (by data capture contractor) using ArcInfo and a coverage created.
Coverage converted to shapefile for addition of long display name strings and additional small edits.

Positional Accuracy
10 m to 100 m

Attribute Accuracy
Each polygon has an associated "reliability" attached to the code given. Source data was collected using colour aerial photographs at a scale of approximately 1:50000. Photographs covering the area were flown between December 1995 and April 1998. Mappers performed ground truthing up to 2.5 days per working week.

Logical Consistency
All polygons spatially unique and closed. Some polygons have multiple codes or no code and will be edited in the future. The logical consistency tests done were: Visual inspection of source material codes against finished product (data capture contractor), Fitting of mapped polygons to tenure bounday supplied by NPWS (data capture contractor), Examination of digitised and rectified theme to highlight unlikely forest types.

Completeness
Complete

ADDITIONAL METADATA and DATE

Metadata Date
08May2000
Metadata Author
Brenton Marchant

Additional Metadata
Not entered

CRA/RFA Page 1 Information

CRA Project Name
Vegetation Survey and Mapping for Stage 1 Southern Brigalow Forest Assessment

CRA Project Number
WRA13

EXTENDED DESCRIPTION DETAILS

Type of Feature
Polygon

Attribute/Field List count =
14

Attribute/Field List
Shape
Area
Perimeter
Wra_api_
Wra_api_id
Code
Rel_code
Spec_code1
Spec_code2
Rsex_code
Rel_descr
Com_name
Sci_name
Rsex_descr

Attribute/Field Description
Attached by ArcView - denotes shapefile as a polygon theme
area expressed in meters
perimeter expressed in meters
attached by ArcView during the import from ArcInfo
attached by ArcView during the import from ArcInfo
Full Attibute Code
Reliability Code
Canopy Floristic Code 1
Canopy Floristic Code 2 (if present)
Rainforest, Special Features or Exclusions code
Reliability Code description
Common Name description based on Spec_code1 and Spec_code2
Scientific Name description based on Spec_code1 and Spec_code2
Rainforest, Special Features or Exclusions description from Rsex_code

Scale/Resolution
1:50000

DATASET ENVIRONMENT

Software
ArcView 3.1

Computer Operating System
Microsoft Windows NT

Computer Name(Network Node)
brent

Dataset Size
11.7MB

APPENDIX 17. VEGETATION TYPES WITHIN THE BIOREGION GROUPED ACCORDING TO BROAD CATEGORIES, THEIR TOTAL EXTENT AND EXTENT WITHIN NATURE RESERVES

Lindsay type symbols are allocated as defined by Lindsay (1967), except that F is used for E. fibrosa to distinguish it from E. nubila, and letters are allocated to additional species not considered by Lindsay as follows: Du=E. dumosa, E=E. beyeriana, G=E. globoidea, Ma=C. maculata, Ro=E. rossii, U=E. punctata and V=E. viridis.

Vegetation type	Lindsay type	Broad vegetation type	Total extent (hectares)	Area in Nature Reserves (hectares)
A.leiocarpa	L	A. leiocarpa	5	5
A.leiocarpa and E.chloroclada	LB	A. leiocarpa	80	80
E.crebra - A.leiocarpa	CL	A. leiocarpa	33	33
E.crebra - A.leiocarpa and E.chloroclada	CL	A. leiocarpa	37	37
E.crebra - E.blakelyi - A.leiocarpa	CBL	A. leiocarpa	407	407
E.crebra - E.blakelyi - A.leiocarpa and E.chloroclada	CBL	A. leiocarpa	403	403
Pilliga SFs Lindsay type	BAL	A. leiocarpa	136	0
		A. leiocarpa Total	1102	965
Brigalow	Brig	Acacia harpophylla	341	341
Brigalow and Belah	Brig	Acacia harpophylla	51	51
Pilliga SFs Lindsay type	Brig	Acacia harpophylla	29	0
		Acacia harpophylla Total	421	392
C.endlicheri	Bp	C. endlicheri	97	1
C.endlicheri - A.floribunda	BpA	C. endlicheri	20	20
C.endlicheri - E.beyeriana - E.dwyeri and E.macrorhryncha	BpES	C. endlicheri	10	0
		C. endlicheri Total	127	21
C.endlicheri - A.floribunda and E.blakelyi / E.chloroclada - A.floribunda	BpBA	C. endlicheri - E. chloroclada	19	19
C.endlicheri - E.blakelyi - A.floribunda	BpBA	C. endlicheri - E. chloroclada	516	117
C.endlicheri - E.blakelyi - C.trachyphloia	BpBT	C. endlicheri - E. chloroclada	189	140

C.endlicheri - E.blakelyi - C.trachyphloia and C.endlicheri - E.blakelyi - A.floribunda	BpBT	C. endlicheri - E. chloroclada	140	0
C.endlicheri - E.blakelyi / E.choroclada	BpB	C. endlicheri - E. chloroclada	9	0
C.endlicheri - Red Gum	BpB	C. endlicheri - E. chloroclada	61	0
C.endlicheri and C.endlicheri - E.blakelyi - A.floribunda	BpBA	C. endlicheri - E. chloroclada	8	8
C.endlicheri and E.blakelyi / E.chloroclada - A.floribunda	BpBA	C. endlicheri - E. chloroclada	6	6
E.blakelyi - E.macrorhynca and C.endlicheri	BBpS	C. endlicheri - E. chloroclada	10	10
E.chloroclada - E.macrorhynca and C.endlicheri - E.blakelyi / E.choroclada	BBpS	C. endlicheri - E. chloroclada	27	27
Pilliga SFs Lindsay type	BBp	C. endlicheri - E. chloroclada	389	0
Pilliga SFs Lindsay type	BpB	C. endlicheri - E. chloroclada	36	0
Pilliga SFs Lindsay type	BpBA	C. endlicheri - E. chloroclada	120	0
		C. endlicheri - E. chloroclada Total	1530	326
C.endlicheri - E.blakelyi - C.trachyphloia and E.fibrosa	BpFB	C. endlicheri - E. fibrosa - E. trachyphloia	56	0
C.endlicheri - E.blakelyi / E.choroclada and C.endlicheri - E.fibrosa - C.trachyphloia	BpBF	C. endlicheri - E. fibrosa - E. trachyphloia	36	0
C.endlicheri - E.blakelyi / E.choroclada and E.fibrosa - C.trachyphloia	BpFB	C. endlicheri - E. fibrosa - E. trachyphloia	13	0
C.endlicheri - E.fibrosa	BpF	C. endlicheri - E. fibrosa - E. trachyphloia	1685	1284
C.endlicheri - E.fibrosa - C.trachyphloia	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	3137	1619
C.endlicheri - E.fibrosa - C.trachyphloia - E. dwyeri	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	643	643
C.endlicheri and E.fibrosa	BpF	C. endlicheri - E. fibrosa - E. trachyphloia	2	0
C.endlicheri and E.fibrosa - C.trachyphloia	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	144	109

C.endlicheri and E.fibrosa - C.trachyphloia - E.dwyeri	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	212	0
Callitris endlicheri - E.fibrosa - C.trachyphloia	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	121	10
Pilliga SFs Lindsay type	BpF	C. endlicheri - E. fibrosa - E. trachyphloia	108	0
Pilliga SFs Lindsay type	BpFT	C. endlicheri - E. fibrosa - E. trachyphloia	29	0
Pilliga SFs Lindsay type	BpTF	C. endlicheri - E. fibrosa - E. trachyphloia	40	0
		C. endlicheri - E. fibrosa - E. trachyphloia Total	6225	3664
C.endlicheri - E.nubila	BpN	C. endlicheri - E. nubila	22025	0
		C. endlicheri - E. nubila Total	22025	0
C.endlicheri - E.nubila and C.glaucophylla - E.crebra	BpPN	C. endlicheri - E. nubila - C. glaucophylla	76	0
C.endlicheri - E.nubila and C.glaucophylla - E.crebra (E.sideroxylon)	BpPN	C. endlicheri - E. nubila - C. glaucophylla	39	0
C.endlicheri - E.nubila and C.glaucophylla - E.nubila	BpPN	C. endlicheri - E. nubila - C. glaucophylla	73	0
C.glaucophylla - C.endlicheri and E.nubila	PNBp	C. endlicheri - E. nubila - C. glaucophylla	117	0
C.glaucophylla and C.endlicheri - E.nubila - E.dwyeri	PBpN	C. endlicheri - E. nubila - C. glaucophylla	14	0
		C. endlicheri - E. nubila - C. glaucophylla Total	319	0
C.endlicheri - E.crebra and C.endlicheri - E.nubila	BpCN	C. endlicheri - E. nubila - E. crebra	10	0
C.endlicheri - E.crebra and E.nubila	BpNC	C. endlicheri - E. nubila - E. crebra	29	0
C.endlicheri - E.nubila - E.dwyeri and C.endlicheri - E.crebra	BpNC	C. endlicheri - E. nubila - E. crebra	83	0
C.endlicheri - E.nubila - E.dwyeri and E.crebra	BpCN	C. endlicheri - E. nubila - E. crebra	2	0
C.endlicheri - E.nubila and C.endlicheri - E.crebra	BpNC	C. endlicheri - E. nubila - E. crebra	2739	0
C.endlicheri - E.nubila and E.crebra	BpCN	C. endlicheri - E. nubila - E. crebra	745	20

C.endlicheri - E.nubila and E.crebra (E.sideroxylon)	BpCN	C. endlicheri - E. nubila - E. crebra	53	0
		C. endlicheri - E. nubila - E. crebra Total	3660	20
C.endlicheri - E.nubila - E.dwyeri	BpNDw	C. endlicheri - E. nubila - E. dwyeri	7009	0
C.endlicheri - E.nubila and E.dwyeri	BpDwN	C. endlicheri - E. nubila - E. dwyeri	1449	0
		C. endlicheri - E. nubila - E. dwyeri Total	8458	0
C.endlicheri - E.nubila - E.dwyeri and C.endlicheri - E.beyeriana - E.dwyeri	BpNE	C. endlicheri - E. nubila and E. beyeriana	1188	0
C.endlicheri - E.nubila - E.dwyeri and E.beyeriana - E.dwyeri	BpEN	C. endlicheri - E. nubila and E. beyeriana	438	0
C.endlicheri - E.nubila and C.endlicheri - E.beyeriana - E.dwyeri	BpNE	C. endlicheri - E. nubila and E. beyeriana	189	0
C.endlicheri - E.nubila and E.beyeriana - E.dwyeri	BpEN	C. endlicheri - E. nubila and E. beyeriana	380	0
		C. endlicheri - E. nubila and E. beyeriana Total	2196	0
C.glaucophylla	P	C. glaucophylla	509	28
C.glaucophylla - A.floribunda and C.endlicheri - E.fibrosa	PBpA	C. glaucophylla	10	10
C.glaucophylla - C.endlicheri and C.endlicheri - A.floribunda	PBpA	C. glaucophylla	7	7
Pilliga SFs Lindsay type	Pp	C. glaucophylla	292	
		C. glaucophylla Total	818	45
C.glaucophylla - C.endlicheri and C.trachyphloia - E.dwyeri	PTBp	C. glaucophylla - C. trachyphloia	27	27
C.glaucophylla - C.trachyphloia	PT	C. glaucophylla - C. trachyphloia	5	0
C.glaucophylla - C.trachyphloia and C.trachyphloia - E.dwyeri	PTDw	C. glaucophylla - C. trachyphloia	16	0
C.glaucophylla - C.trachyphloia and E.dealbata	PTD	C. glaucophylla - C. trachyphloia	10	0
Pilliga SFs Lindsay type	PTB	C. glaucophylla - C. trachyphloia	817	0

Pilliga SFs Lindsay type	PTBC	C. glaucophylla - C. trachyphloia	52	0
		C. glaucophylla - C. trachyphloia Total	926	27
C.glaucophylla - E.albens	PH	C. glaucophylla - E. albens	1991	32
C.glaucophylla - E.albens and (E.populnea)	PH	C. glaucophylla - E. albens	6	0
C.glaucophylla - E.albens and C.glaucophylla - E.blakelyi / E.chloroclada - E.albens	PHB	C. glaucophylla - E. albens	33	0
C.glaucophylla - E.albens and C.glaucophylla - E.crebra	PHC	C. glaucophylla - E. albens	147	0
C.glaucophylla - E.albens and C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada	PHC	C. glaucophylla - E. albens	150	0
C.glaucophylla - E.albens and E.blakelyi	PBH	C. glaucophylla - E. albens	11	11
C.glaucophylla - E.albens and E.blakelyi / E.chloroclada - A.floribunda	PBH	C. glaucophylla - E. albens	52	23
C.glaucophylla - E.albens and E.blakelyi / E.chloroclada - C.trachyphloia	PBH	C. glaucophylla - E. albens	39	0
C.glaucophylla - E.blakelyi / E.chloroclada - E.albens	PBH	C. glaucophylla - E. albens	113	23
C.glaucophylla - E.crebra - E.albens	PCH	C. glaucophylla - E. albens	1208	0
Pilliga SFs Lindsay type	PCH	C. glaucophylla - E. albens	17	0
Pilliga SFs Lindsay type	PH	C. glaucophylla - E. albens	652	0
		C. glaucophylla - E. albens Total	4420	90
C.glaucophylla - A.floribunda	PA	C. glaucophylla - E. blakelyi / E. chloroclada	26	26
C.glaucophylla - C.endlicheri and (E.blakelyi / E.chloroclada - A.floribunda)	PBpB	C. glaucophylla - E. blakelyi / E. chloroclada	4	4
C.glaucophylla - C.endlicheri and E.blakelyi / E.chloroclada - A.floribunda	PBBp	C. glaucophylla - E. blakelyi / E. chloroclada	86	86
C.glaucophylla - E.blakelyi	PB	C. glaucophylla - E. blakelyi / E. chloroclada	2	0

C.glaucophylla - E.blakelyi / E.chloroclada - A.floribunda	PBA	C. glaucophylla - E. blakelyi / E. chloroclada	588	570
C.glaucophylla - E.blakelyi / E.chloroclada - A.floribunda and C.endlicheri - E.crebra	PBpB	C. glaucophylla - E. blakelyi / E. chloroclada	82	82
C.glaucophylla - E.blakelyi / E.chloroclada - A.floribunda and E.chloroclada - E.macrorhynca	PBA	C. glaucophylla - E. blakelyi / E. chloroclada	29	29
C.glaucophylla - E.blakelyi / E.chloroclada - E.pilligaensis	PBPg	C. glaucophylla - E. blakelyi / E. chloroclada	9	0
C.glaucophylla - E.conica and E.blakelyi	PBCn	C. glaucophylla - E. blakelyi / E. chloroclada	2	0
C.glaucophylla - Red Gum	PB	C. glaucophylla - E. blakelyi / E. chloroclada	268	0
C.glaucophylla and E.blakelyi	PB	C. glaucophylla - E. blakelyi / E. chloroclada	11	0
E.blakelyi and C.glaucophylla	BP	C. glaucophylla - E. blakelyi / E. chloroclada	36	36
Pilliga SFs Lindsay type	BOP	C. glaucophylla - E. blakelyi / E. chloroclada	534	0
Pilliga SFs Lindsay type	BP	C. glaucophylla - E. blakelyi / E. chloroclada	1525	0
Pilliga SFs Lindsay type	PA	C. glaucophylla - E. blakelyi / E. chloroclada	54	0
Pilliga SFs Lindsay type	PAB	C. glaucophylla - E. blakelyi / E. chloroclada	1820	0
Pilliga SFs Lindsay type	PB	C. glaucophylla - E. blakelyi / E. chloroclada	4992	0
Pilliga SFs Lindsay type	PBA	C. glaucophylla - E. blakelyi / E. chloroclada	7558	0
Pilliga SFs Lindsay type	PBO	C. glaucophylla - E. blakelyi / E. chloroclada	14	0
		C. glaucophylla - E. blakelyi / E. chloroclada Total	17640	832
C.endlicheri - E.crebra (E.sideroxylon) and C.glaucophylla - E.crebra (E.sideroxylon)	BpPC	C. glaucophylla - E. crebra	50	0
C.endlicheri - E.crebra and C.glaucophylla - E.crebra	BpPC	C. glaucophylla - E. crebra	306	0
C.glaucophylla - A.floribunda and E.crebra	PCA	C. glaucophylla - E. crebra	29	29
C.glaucophylla - A.floribunda and E.crebra - C.trachyphloia	PCA	C. glaucophylla - E. crebra	15	15

C.glaucophylla - A.floribunda and E.crebra - E.blakelyi / E.chloroclada	PCA	C. glaucophylla - E. crebra	7	7
C.glaucophylla - C.endlicheri and E.crebra	PCBp	C. glaucophylla - E. crebra	157	14
C.glaucophylla - C.endlicheri and E.crebra - C.trachyphloia	PCBp	C. glaucophylla - E. crebra	31	31
C.glaucophylla - C.endlicheri and E.crebra - E.blakelyi / E.chloroclada	PCBp	C. glaucophylla - E. crebra	15	15
C.glaucophylla - E.crebra	PC	C. glaucophylla - E. crebra	8136	439
C.glaucophylla - E.crebra - A.floribunda	PCA	C. glaucophylla - E. crebra	15	15
C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada	PCB	C. glaucophylla - E. crebra	999	171
C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia	PCB	C. glaucophylla - E. crebra	567	0
C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada and C.glaucophylla - E.crebra - E.albens	PCB	C. glaucophylla - E. crebra	40	0
C.glaucophylla - E.crebra - E.nubila	PCN	C. glaucophylla - E. crebra	181	0
C.glaucophylla - E.crebra - E.pilligaensis	PCPg	C. glaucophylla - E. crebra	1388	0
C.glaucophylla - E.crebra (E.sideroxylon)	PCSd	C. glaucophylla - E. crebra	434	0
C.glaucophylla - E.crebra (E.sideroxylon) and E.crebra - Box	PCSd	C. glaucophylla - E. crebra	31	31
C.glaucophylla - E.crebra and C.endlicheri - E.nubila	PBpC	C. glaucophylla - E. crebra	29	0
C.glaucophylla - E.crebra and C.glaucophylla - E.blakelyi	PCB	C. glaucophylla - E. crebra	7	0
C.glaucophylla - E.crebra and C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada	PCB	C. glaucophylla - E. crebra	187	0
C.glaucophylla - E.crebra and C.glaucophylla - Red Gum	PCB	C. glaucophylla - E. crebra	6	0
C.glaucophylla - E.crebra and E. dwyeri	PDwC	C. glaucophylla - E. crebra	576	0

C.glaucophylla - E.crebra and E.beyeriana	PEC	C. glaucophylla - E. crebra	80	0
C.glaucophylla - E.crebra and E.blakelyi	PBC	C. glaucophylla - E. crebra	14	0
C.glaucophylla - E.crebra and E.crebra - E.microcarpa	PCW	C. glaucophylla - E. crebra	42	0
E.crebra - E.microcarpa and C.glaucophylla - C.endlicheri	CPW	C. glaucophylla - E. crebra	13	0
C.glaucophylla and E.crebra - Box	PC	C. glaucophylla - E. crebra	25	0
E.crebra - Red Gum and C.glaucophylla - C.endlicheri	CPB	C. glaucophylla - E. crebra	6	0
E.crebra and C.glaucophylla - C.endlicheri	CPBp	C. glaucophylla - E. crebra	49	0
Pilliga SFs Lindsay type	COP	C. glaucophylla - E. crebra	76157	0
Pilliga SFs Lindsay type	COP(Sd)	C. glaucophylla - E. crebra	144	0
Pilliga SFs Lindsay type	CP	C. glaucophylla - E. crebra	2291	0
Pilliga SFs Lindsay type	CPB	C. glaucophylla - E. crebra	21	0
Pilliga SFs Lindsay type	PBC	C. glaucophylla - E. crebra	486	0
Pilliga SFs Lindsay type	PC	C. glaucophylla - E. crebra	738	0
Pilliga SFs Lindsay type	PCA	C. glaucophylla - E. crebra	7	0
Pilliga SFs Lindsay type	PCB	C. glaucophylla - E. crebra	10494	0
Pilliga SFs Lindsay type	PCF	C. glaucophylla - E. crebra	90	0
Pilliga SFs Lindsay type	PCO	C. glaucophylla - E. crebra	76669	0
Pilliga SFs Lindsay type	PCO(Sd)	C. glaucophylla - E. crebra	20	0
Pilliga SFs Lindsay type	PCPg	C. glaucophylla - E. crebra	77	0
Pilliga SFs Lindsay type	POC	C. glaucophylla - E. crebra	8	0
		C. glaucophylla - E. crebra Total	180637	766
C.glaucophylla - E.crebra - C.trachyphloia	PCT	C. glaucophylla - E. crebra - C. trachyphloia	127	13
Pilliga SFs Lindsay type	PCT	C. glaucophylla - E. crebra - C. trachyphloia	2658	0
Pilliga SFs Lindsay type	PCTB	C. glaucophylla - E. crebra - C. trachyphloia	469	0
Pilliga SFs Lindsay type	PTC	C. glaucophylla - E. crebra - C. trachyphloia	35	0
Pilliga SFs Lindsay type	PTCB	C. glaucophylla - E. crebra - C. trachyphloia	387	0
		C. glaucophylla - E. crebra - C. trachyphloia	3677	13

		Total		
C.glaucophylla - E.albens and E.melanophloia	PMeH	C. glaucophylla - E. melanophloia	7	0
C.glaucophylla - E.crebra - E.albens and C.glaucophylla - E.melanophloia	PCMe	C. glaucophylla - E. melanophloia	44	0
C.glaucophylla - E.melanophloia	PMe	C. glaucophylla - E. melanophloia	45	0
C.glaucophylla - E.melanophloia and (E.albens)	PMe	C. glaucophylla - E. melanophloia	42	0
C.glaucophylla - E.melanophloia and E.dealbata	PDMe	C. glaucophylla - E. melanophloia	22	0
Pilliga SFs Lindsay type	PMe	C. glaucophylla - E. melanophloia	1375	
		C. glaucophylla - E. melanophloia Total	1535	0
C.glaucophylla - A.floribunda and E.melliodora - E.blakelyi/E.chloroclada	PMA	C. glaucophylla - E. melliodora	83	83
C.glaucophylla - E.melliodora and C.glaucophylla - E.blakelyi / E.chloroclada - E.albens	PMB	C. glaucophylla - E. melliodora	142	0
C.glaucophylla - E.melliodora and E.blakelyi	PBM	C. glaucophylla - E. melliodora	52	0
C.glaucophylla and E.melliodora - E.blakelyi/E.chloroclada	PMB	C. glaucophylla - E. melliodora	1	1
		C. glaucophylla - E. melliodora Total	277	83
C.glaucophylla - E.crebra - E.albens and E.microcarpa (E.conica)	PWC	C. glaucophylla - E. microcarpa	36	0
C.glaucophylla - E.crebra - E.blakelyi / E.chloroclada and E.microcarpa	PWC	C. glaucophylla - E. microcarpa	25	0
C.glaucophylla - E.crebra and E.microcarpa (E.conica)	PWC	C. glaucophylla - E. microcarpa	61	44
C.glaucophylla - E.microcarpa	PW	C. glaucophylla - E. microcarpa	8	0
C.glaucophylla - E.microcarpa and C.glaucophylla - E.albens	PWH	C. glaucophylla - E. microcarpa	240	0

C.glaucophylla - E.microcarpa and C.glaucophylla - E.crebra (E.sideroxylon)	PWC	C. glaucophylla - E. microcarpa	224	0
		C. glaucophylla - E. microcarpa Total	594	44
C.glaucophylla - E.pilligaensis	PPg	C. glaucophylla - E. pilligaensis	517	0
C.glaucophylla - E.pilligaensis and (E.dealbata)	PPg	C. glaucophylla - E. pilligaensis	7	0
C.glaucophylla - E.pilligaensis and C.glaucophylla - E.crebra (E.sideroxylon)	PPgC	C. glaucophylla - E. pilligaensis	34	0
C.glaucophylla - Red Gum and E.pilligaensis (E.conica)	PPgB	C. glaucophylla - E. pilligaensis	66	0
C.glaucophylla and E.pilligaensis (E.conica)	PPg	C. glaucophylla - E. pilligaensis	48	0
Pilliga SFs Lindsay type	PPg	C. glaucophylla - E. pilligaensis	13763	0
Pilliga SFs Lindsay type	PPgC	C. glaucophylla - E. pilligaensis	37	0
		C. glaucophylla - E. pilligaensis Total	14472	0
C.glaucophylla - E.pilligaensis and E.populnea	PPfPg	C. glaucophylla - E. populnea	5	0
C.glaucophylla - E.populnea	PPf	C. glaucophylla - E. populnea	4	0
Pilliga SFs Lindsay type	PPf	C. glaucophylla - E. populnea	13459	
		C. glaucophylla - E. populnea Total	13468	0
C.endlicheri - E.fibrosa and C.maculata - E.globoidea	BpMaF	C. maculata	14	0
C.endlicheri and C.maculata - E.crebra	BpMaC	C. maculata	3	0
C.endlicheri and C.maculata - E.globoidea	BpMaG	C. maculata	4	0
C.maculata	Ma	C. maculata	2	0
C.maculata - E.crebra	MaC	C. maculata	4	0
C.maculata - E.globoidea	MaG	C. maculata	50	0
C.maculata - E.globoidea and E.dwyeri	MaDwG	C. maculata	5	0
		C. maculata Total	82	0
Pilliga SFs Lindsay type	DpBA	C. preissii - E. blakelyi / E. chloroclada - A. floribunda	143	0

		C. preissii - E. blakelyi / E. chloroclada - A. floribunda Total	143	0
A.floribunda and C.trachyphloia - E.macrorhynca	AT	C. trachyphloia	7	7
C.endlicheri - A.floribunda and C.trachyphloia - E.macrorhynca	BpTA	C. trachyphloia	58	40
C.endlicheri - C.trachyphloia	BpT	C. trachyphloia	141	130
C.endlicheri - C.trachyphloia and A.floribunda	BpTA	C. trachyphloia	28	19
C.endlicheri - C.trachyphloia and E.dwyeri	BpDwT	C. trachyphloia	39	39
C.endlicheri and C.endlicheri - C.trachyphloia	BpT	C. trachyphloia	6	6
C.endlicheri and C.trachyphloia - E.dwyeri	BpTDw	C. trachyphloia	114	86
C.trachyphloia	T	C. trachyphloia	98	87
C.trachyphloia - E.dwyeri	TDw	C. trachyphloia	183	176
C.trachyphloia - E.dwyeri and (E.crebra)	TDw	C. trachyphloia	61	61
C.trachyphloia and E.conica	TCn	C. trachyphloia	4	4
Pilliga SFs Lindsay type	T	C. trachyphloia	74	0
Pilliga SFs Lindsay type	TBP	C. trachyphloia	1125	0
Pilliga SFs Lindsay type	TBp	C. trachyphloia	499	0
Pilliga SFs Lindsay type	TBr	C. trachyphloia	654	0
		C. trachyphloia Total	3091	657
Pilliga SFs Lindsay type	TB	C. trachyphloia - E. chloroclada	1478	0
Pilliga SFs Lindsay type	TBA	C. trachyphloia - E. chloroclada	22	0
Pilliga SFs Lindsay type	TBBp	C. trachyphloia - E. chloroclada	539	0
Pilliga SFs Lindsay type	TBC	C. trachyphloia - E. chloroclada	848	0
Pilliga SFs Lindsay type	TBCBp	C. trachyphloia - E. chloroclada	22	0
Pilliga SFs Lindsay type	TBCP	C. trachyphloia - E. chloroclada	7078	0
Pilliga SFs Lindsay type	TBSP	C. trachyphloia - E. chloroclada	8	0
Pilliga SFs Lindsay type	TCB	C. trachyphloia - E. chloroclada	85	0

Pilliga SFs Lindsay type	TPB	C. trachyphloia - E. chloroclada	16	0
		C. trachyphloia - E. chloroclada Total	10097	0
Pilliga SFs Lindsay type	TF	C. trachyphloia - E. fibrosa	759	0
Pilliga SFs Lindsay type	TFBp	C. trachyphloia - E. fibrosa	3688	0
		C. trachyphloia - E. fibrosa Total	4447	0
Pilliga SFs Lindsay type	Be	Casuarina cristata	559	0
		Casuarina cristata Total	559	0
C.endlicheri - E.crebra and E.albens	BpHC	E. albens	6	6
E.albens	H	E. albens	494	34
E.albens and C.endlicheri - E.fibrosa - C.trachyphloia	HBpF	E. albens	35	0
E.albens and C.glaucophylla - C.endlicheri	HPBp	E. albens	16	16
E.albens and E.blakelyi	HB	E. albens	12	0
E.albens and E.blakelyi / E.chloroclada - A.floribunda	HBA	E. albens	21	21
E.albens and E.blakelyi / E.chloroclada - E.microcarpa (E.conica)	HBW	E. albens	5	5
E.albens and E.dealbata	HD	E. albens	7	0
E.albens and E.melliodora - E.blakelyi/E.chloroclada	HMB	E. albens	15	12
E.crebra - C.trachyphloia and E.albens	CHT	E. albens	8	8
E.crebra - E.albens	CH	E. albens	23	0
E.crebra - E.albens and E.crebra - E.microcarpa	CHW	E. albens	19	0
E.crebra and E.albens	CH	E. albens	4	4
Pilliga SFs Lindsay type	H	E. albens	50	0
Pilliga SFs Lindsay type	HBP	E. albens	42	0
Pilliga SFs Lindsay type	HP	E. albens	431	0
		E. albens Total	1187	106
C.endlicheri - E.beyeriana - E.dwyeri	BpEDw	E. beyeriana - E. dwyeri	1196	0

C.endlicheri and E.beyeriana - E.dwyeri	BpEDw	E. beyeriana - E. dwyeri	492	0
E.beyeriana - C.endlicheri - E.dwyeri - C.trachyphloia	EBpDw	E. beyeriana - E. dwyeri	17	17
E.beyeriana - E.dwyeri	EDw	E. beyeriana - E. dwyeri	1203	18
E.beyeriana - E.dwyeri - C.trachyphloia	EDwT	E. beyeriana - E. dwyeri	159	159
E.beyeriana - E.dwyeri - C.trachyphloia and (E.chloroclada)	EDwT	E. beyeriana - E. dwyeri	5	5
E.beyeriana - E.dwyeri - C.trachyphloia and E.fibrosa	EFDw	E. beyeriana - E. dwyeri	34	34
E.beyeriana - E.dwyeri - C.trachyphloia and E.fibrosa - C.trachyphloia - E.dwyeri	EFDw	E. beyeriana - E. dwyeri	569	569
E.beyeriana - E.dwyeri and C.endlicheri	EBpDw	E. beyeriana - E. dwyeri	61	0
E.beyeriana - E.dwyeri and C.endlicheri - E.nubila	EBpDw	E. beyeriana - E. dwyeri	235	0
E.beyeriana - E.dwyeri and E.nubila	ENDw	E. beyeriana - E. dwyeri	65	0
		E. beyeriana - E. dwyeri Total	4035	801
E.blakelyi	B	E. blakelyi / E. chloroclada	410	178
E.chloroclada	B	E. blakelyi / E. chloroclada	27	27
Pilliga SFs Lindsay type	B	E. blakelyi / E. chloroclada	1601	
		E. blakelyi / E. chloroclada Total	2037	204
A.floribunda	A	E. blakelyi / E. chloroclada - A. floribunda	203	131
A.floribunda and (C.glaucophylla - C.endlicheri)	A	E. blakelyi / E. chloroclada - A. floribunda	30	30
Binnaway 1 Red Gum & Rough-Barked Apple	BA	E. blakelyi / E. chloroclada - A. floribunda	176	176
E.blakelyi / E.chloroclada - A.floribunda	BA	E. blakelyi / E. chloroclada - A. floribunda	911	487
E.blakelyi / E.chloroclada - A.floribunda - C.verrucosa	BADp	E. blakelyi / E. chloroclada - A. floribunda	10	0
E.blakelyi / E.chloroclada - A.floribunda and (E.macrorhryncha)	BA	E. blakelyi / E. chloroclada - A. floribunda	30	30

E.blakelyi / E.chloroclada - A.floribunda and (E.melliodora)	BA	E. blakelyi / E. chloroclada - A. floribunda	19	19
E.blakelyi / E.chloroclada - A.floribunda and A.floribunda	BA	E. blakelyi / E. chloroclada - A. floribunda	6	0
E.blakelyi / E.chloroclada - A.floribunda and C.endlicheri	BBpA	E. blakelyi / E. chloroclada - A. floribunda	23	0
E.blakelyi / E.chloroclada - A.floribunda and C.glaucophylla - C.endlicheri	BPA	E. blakelyi / E. chloroclada - A. floribunda	50	50
E.blakelyi / E.chloroclada - A.floribunda and E.chloroclada	BA	E. blakelyi / E. chloroclada - A. floribunda	39	39
E.blakelyi and E.blakelyi / E.chloroclada - A.floribunda	BA	E. blakelyi / E. chloroclada - A. floribunda	5	0
Pilliga SFs Lindsay type	AB	E. blakelyi / E. chloroclada - A. floribunda	17	0
Pilliga SFs Lindsay type	BA	E. blakelyi / E. chloroclada - A. floribunda	8255	0
Pilliga SFs Lindsay type	BABp	E. blakelyi / E. chloroclada - A. floribunda	227	0
Pilliga SFs Lindsay type	BADp	E. blakelyi / E. chloroclada - A. floribunda	36	0
Pilliga SFs Lindsay type	BAP	E. blakelyi / E. chloroclada - A. floribunda	12132	0
		E. blakelyi / E. chloroclada - A. floribunda Total	22169	962
E.blakelyi / E.chloroclada - A.floribunda and C.trachyphloia - E.macrorhynca	BTA	E. blakelyi / E. chloroclada - C. trachyphloia	9	0
E.blakelyi / E.chloroclada - C.trachyphloia	BT	E. blakelyi / E. chloroclada - C. trachyphloia	530	444
E.blakelyi / E.chloroclada - C.trachyphloia - A.floribunda	BTA	E. blakelyi / E. chloroclada - C. trachyphloia	28	0
E.blakelyi / E.chloroclada - C.trachyphloia and Callitris endlicheri - E.fibrosa - C.trachyphloia	BBpT	E. blakelyi / E. chloroclada - C. trachyphloia	69	0
E.blakelyi / E.chloroclada - C.trachyphloia and E.blakelyi	BT	E. blakelyi / E. chloroclada - C. trachyphloia	9	0
E.blakelyi / E.chloroclada - C.trachyphloia and E.chloroclada - E.macrorhynca	BTS	E. blakelyi / E. chloroclada - C. trachyphloia	39	39

E.blakelyi and C.trachyphloia - E.macrorhynca	BTS	E. blakelyi / E. chloroclada - C. trachyphloia	5	0
Pilliga SFs Lindsay type	BOTBp	E. blakelyi / E. chloroclada - C. trachyphloia	37	0
Pilliga SFs Lindsay type	BT	E. blakelyi / E. chloroclada - C. trachyphloia	64	0
Pilliga SFs Lindsay type	BTBp	E. blakelyi / E. chloroclada - C. trachyphloia	567	0
Pilliga SFs Lindsay type	BTP	E. blakelyi / E. chloroclada - C. trachyphloia	110	0
		E. blakelyi / E. chloroclada - C. trachyphloia Total	1467	483
Binnaway 1/2 Red Gum & Rough-Barked Apple + Narrow-Leaved Ironbark & Black Cypress	BCA	E. blakelyi / E. chloroclada - E. crebra	207	207
E.blakelyi / E.chloroclada - A.floribunda and E.crebra	BCA	E. blakelyi / E. chloroclada - E. crebra	6	0
E.blakelyi / E.chloroclada - A.floribunda and E.crebra - E.macrorhryncha	BCA	E. blakelyi / E. chloroclada - E. crebra	24	0
E.blakelyi / E.chloroclada - C.trachyphloia and C.glaucophylla - C.endlicheri	BCT	E. blakelyi / E. chloroclada - E. crebra	52	52
E.blakelyi / E.chloroclada - E.microcarpa (E.conica) and E.crebra	BCW	E. blakelyi / E. chloroclada - E. crebra	119	0
E.blakelyi / E.chloroclada - E.pilligaensis and E.crebra	BCPg	E. blakelyi / E. chloroclada - E. crebra	36	0
E.blakelyi and E.crebra	BC	E. blakelyi / E. chloroclada - E. crebra	11	0
E.chloroclada - E.macrorhynca and E.crebra	BCS	E. blakelyi / E. chloroclada - E. crebra	23	23
E.chloroclada - E.macrorhynca and E.crebra - E.blakelyi - A.leiocarpa	BCS	E. blakelyi / E. chloroclada - E. crebra	251	251
E.chloroclada - E.macrorhynca and E.crebra (E.sideroxylon)	BCS	E. blakelyi / E. chloroclada - E. crebra	44	44
E.crebra - E.blakelyi / E.chloroclada	CB	E. blakelyi / E. chloroclada - E. crebra	1275	460
E.crebra - E.blakelyi / E.chloroclada - A.floribunda	CBA	E. blakelyi / E. chloroclada - E. crebra	587	311

E.crebra - E.blakelyi / E.chloroclada - A.floribunda and E.chloroclada	CBA	E. blakelyi / E. chloroclada - E. crebra	79	79
E.crebra - E.blakelyi / E.chloroclada - A.floribunda and E.chloroclada - E.macrorhynca	CBA	E. blakelyi / E. chloroclada - E. crebra	801	801
E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia and A.floribunda	CAB	E. blakelyi / E. chloroclada - E. crebra	124	124
E.crebra - E.blakelyi / E.chloroclada and A.floribunda	CAB	E. blakelyi / E. chloroclada - E. crebra	41	0
E.crebra - E.blakelyi / E.chloroclada and E.chloroclada	CB	E. blakelyi / E. chloroclada - E. crebra	22	22
E.crebra - E.blakelyi / E.chloroclada and E.chloroclada - E.macrorhynca	CBS	E. blakelyi / E. chloroclada - E. crebra	340	340
E.crebra - E.chloroclada	CB	E. blakelyi / E. chloroclada - E. crebra	23	23
E.crebra - E.chloroclada - E.macrorhynca	CBS	E. blakelyi / E. chloroclada - E. crebra	93	93
E.crebra (E.sideroxylon) and E.blakelyi / E.chloroclada - E.pilligaensis	CBSd	E. blakelyi / E. chloroclada - E. crebra	104	0
E.crebra (E.sideroxylon) and E.crebra - E.blakelyi / E.chloroclada	CBSd	E. blakelyi / E. chloroclada - E. crebra	182	0
E.crebra and E.blakelyi	CB	E. blakelyi / E. chloroclada - E. crebra	105	0
E.crebra and E.blakelyi / E.chloroclada - A.floribunda	CBA	E. blakelyi / E. chloroclada - E. crebra	4	0
E.crebra and E.crebra - E.blakelyi / E.chloroclada - A.floribunda	CBA	E. blakelyi / E. chloroclada - E. crebra	14	0
Pilliga SFs Lindsay type	BAC	E. blakelyi / E. chloroclada - E. crebra	173	0
Pilliga SFs Lindsay type	BC	E. blakelyi / E. chloroclada - E. crebra	1345	0
Pilliga SFs Lindsay type	BCA	E. blakelyi / E. chloroclada - E. crebra	202	0
Pilliga SFs Lindsay type	BCBp	E. blakelyi / E. chloroclada - E. crebra	267	0
Pilliga SFs Lindsay type	BCP	E. blakelyi / E. chloroclada - E. crebra	6835	0
Pilliga SFs Lindsay type	BCT	E. blakelyi / E. chloroclada - E. crebra	206	0

Pilliga SFs Lindsay type	BTCP	E. blakelyi / E. chloroclada - E. crebra	10	0
Pilliga SFs Lindsay type	CB	E. blakelyi / E. chloroclada - E. crebra	481	0
Pilliga SFs Lindsay type	CBA	E. blakelyi / E. chloroclada - E. crebra	58	0
Pilliga SFs Lindsay type	CBP	E. blakelyi / E. chloroclada - E. crebra	93	
Weetalibah 1/3 Red Gum + Mugga & Narrow Leaved Ironbark + Rough Barked Apple + Black Cyp	BCSd	E. blakelyi / E. chloroclada - E. crebra	7	7
		E. blakelyi / E. chloroclada - E. crebra Total	14247	2838
A.floribunda and E.macrorhryncha	AS	E. blakelyi / E. chloroclada - E. macrorhyncha	5	0
Binnaway 1/3 Red Gum + Rough-Barked Apple + Red Stringybark + Narrow-Leaved Ironbak + Black	BSA	E. blakelyi / E. chloroclada - E. macrorhyncha	146	146
E.blakelyi / E.chloroclada - A.floribunda and E.chloroclada - E.macrorhynca	BAS	E. blakelyi / E. chloroclada - E. macrorhyncha	171	171
E.blakelyi / E.chloroclada - A.floribunda and E.macrorhryncha	BSA	E. blakelyi / E. chloroclada - E. macrorhyncha	78	33
E.blakelyi / E.chloroclada - A.floribunda and Stringybark	BSA	E. blakelyi / E. chloroclada - E. macrorhyncha	89	89
E.chloroclada - E.macrorhynca	BS	E. blakelyi / E. chloroclada - E. macrorhyncha	352	352
E.chloroclada - E.macrorhynca and (C.endlicheri - E.crebra)	BS	E. blakelyi / E. chloroclada - E. macrorhyncha	91	91
E.chloroclada - E.macrorhynca and A.floribunda	BAS	E. blakelyi / E. chloroclada - E. macrorhyncha	93	93
E.chloroclada - E.macrorhynca and A.floribunda - A.leiocarpa	BAS	E. blakelyi / E. chloroclada - E. macrorhyncha	157	157
E.chloroclada - E.macrorhynca and E.blakelyi / E.chloroclada - A.floribunda	BPS	E. blakelyi / E. chloroclada - E. macrorhyncha	782	782
Pilliga SFs Lindsay type	BSA	E. blakelyi / E. chloroclada - E. macrorhyncha	36	
		E. blakelyi / E. chloroclada - E. macrorhyncha Total	1999	1913
E.camaldulensis	R	E. camaldulensis	12	0

		E. camaldulensis Total	12	0
E.blakelyi / E.chloroclada - C.trachyphloia and E.fibrosa	BFT	E. chloroclada - E. fibrosa	69	69
Pilliga SFs Lindsay type	BF	E. chloroclada - E. fibrosa	3520	0
Pilliga SFs Lindsay type	BFBp	E. chloroclada - E. fibrosa	1991	0
Pilliga SFs Lindsay type	BFP	E. chloroclada - E. fibrosa	2751	0
Pilliga SFs Lindsay type	BFT	E. chloroclada - E. fibrosa	873	0
Pilliga SFs Lindsay type	BFTBp	E. chloroclada - E. fibrosa	55	0
		E. chloroclada - E. fibrosa Total	9258	69
C.glaucophylla - E.conica	PCn	E. conica	41	0
E.blakelyi / E.chloroclada - A.floribunda and E.conica	BCnA	E. conica	220	0
E.blakelyi and E.conica	BCn	E. conica	21	0
E.conica	Cn	E. conica	46	0
E.crebra - E.blakelyi / E.chloroclada - A.floribunda and E.conica	CCnB	E. conica	103	0
E.crebra - E.conica and A.floribunda	CACn	E. conica	11	0
		E. conica Total	443	0
E.crebra	C	E. crebra	16707	550
E.crebra - C.trachyphloia and E.fibrosa	CFT	E. crebra	49	36
E.crebra - E.blakelyi / E.chloroclada and E.fibrosa - C.trachyphloia	CFB	E. crebra	53	53
E.crebra (E.sideroxylon)	CSd	E. crebra	747	22
E.crebra (E.sideroxylon) and A.floribunda	CASd	E. crebra	7	0
E.crebra (E.sideroxylon) and E.crebra - Box	CSd	E. crebra	8	8
E.crebra (E.sideroxylon) and E.fibrosa	CFSd	E. crebra	12	0
E.crebra (E.sideroxylon) and E.nubila - E.dwyeri	CNSd	E. crebra	43	0
E.crebra and A.floribunda	CA	E. crebra	47	0

E.crebra and E.fibrosa	CF	E. crebra	27	0
E.crebra and E.fibrosa - C.trachyphloia	CFT	E. crebra	25	25
E.crebra and E.nubila	CN	E. crebra	433	0
Pilliga SFs Lindsay type	C	E. crebra	3137	0
Pilliga SFs Lindsay type	CO	E. crebra	727	0
		E. crebra Total	22019	693
Binnaway 2 Narrow-Leaved Ironbark & Black Cypress	CBp	E. crebra - C. endlicheri	2839	2839
Binnaway 2sc Scattered Narrow-Leaved Ironbark + Black Cypress	CBp	E. crebra - C. endlicheri	43	43
C.endlicheri - A.floribunda and E.crebra - C.trachyphloia	BpCA	E. crebra - C. endlicheri	35	35
C.endlicheri - Box and E.crebra (E.sideroxylon)	BpC	E. crebra - C. endlicheri	58	0
C.endlicheri - C.trachyphloia and E.crebra	BpCT	E. crebra - C. endlicheri	66	66
C.endlicheri - C.trachyphloia and E.crebra - E.macrorhryncha	BpCT	E. crebra - C. endlicheri	9	9
C.endlicheri - E.blakelyi - A.floribunda and E.crebra	BpBC	E. crebra - C. endlicheri	4	4
C.endlicheri - E.crebra	BpC	E. crebra - C. endlicheri	5948	48
C.endlicheri - E.crebra - C.trachyphloia	BpCT	E. crebra - C. endlicheri	1330	954
C.endlicheri - E.crebra - C.trachyphloia and (E.blakelyi / E.chloroclada - A.floribunda)	BpCT	E. crebra - C. endlicheri	48	48
C.endlicheri - E.crebra - C.trachyphloia and (E.macrorhryncha)	BpCT	E. crebra - C. endlicheri	630	397
C.endlicheri - E.crebra - C.trachyphloia and (E.rossii)	BpCT	E. crebra - C. endlicheri	44	44
C.endlicheri - E.crebra - C.trachyphloia and A.floribunda	BpAC	E. crebra - C. endlicheri	81	81

C.endlicheri - E.crebra - C.trachyphloia and E.blakelyi	BpBC	E. crebra - C. endlicheri	15	0
C.endlicheri - E.crebra - C.trachyphloia and E.blakelyi / E.chloroclada - A.floribunda	BpBC	E. crebra - C. endlicheri	88	70
C.endlicheri - E.crebra - C.trachyphloia and E.fibrosa	BpCF	E. crebra - C. endlicheri	212	111
C.endlicheri - E.crebra - E.blakelyi / E.chloroclada	BpCB	E. crebra - C. endlicheri	263	81
C.endlicheri - E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia	BpCB	E. crebra - C. endlicheri	129	16
C.endlicheri - E.crebra - E.blakelyi / E.chloroclada and E.chloroclada - E.macrorhynca	BpBC	E. crebra - C. endlicheri	73	73
C.endlicheri - E.crebra (E.sideroxylon)	BpC	E. crebra - C. endlicheri	707	32
C.endlicheri - E.crebra and C.endlicheri - E.beyeriana - E.dwyeri	BpCE	E. crebra - C. endlicheri	52	0
C.endlicheri - E.crebra and C.endlicheri - E.fibrosa	BpCF	E. crebra - C. endlicheri	28	0
C.endlicheri - E.crebra and C.trachyphloia	BpTC	E. crebra - C. endlicheri	30	30
C.endlicheri - E.crebra and C.trachyphloia - E.macrorhynca	BpTC	E. crebra - C. endlicheri	13	13
C.endlicheri - E.crebra and E.blakelyi	BpBC	E. crebra - C. endlicheri	33	24
C.endlicheri - E.crebra and E.blakelyi / E.chloroclada - A.floribunda	BpBC	E. crebra - C. endlicheri	25	25
C.endlicheri - E.crebra and E.chloroclada	BpBC	E. crebra - C. endlicheri	9	0
C.endlicheri - E.crebra and E.crebra - Box	BpC	E. crebra - C. endlicheri	393	0
C.endlicheri - E.crebra and E.crebra - E.blakelyi / E.chloroclada	BpCB	E. crebra - C. endlicheri	22	0
C.endlicheri - E.crebra and E.crebra - E.dwyeri	BpCDw	E. crebra - C. endlicheri	10	0

C.endlicheri - E.fibrosa and E.crebra - E.blakelyi / E.chloroclada - A.floribunda	BpCF	E. crebra - C. endlicheri	35	0
C.endlicheri - E.microcarpa and C.endlicheri - E.crebra - E.blakelyi / E.chloroclada	BpWC	E. crebra - C. endlicheri	6	0
C.endlicheri and E.crebra - C.trachyphloia	BpCT	E. crebra - C. endlicheri	66	66
C.endlicheri and E.crebra - E.blakelyi / E.chloroclada	BpCB	E. crebra - C. endlicheri	20	0
C.endlicheri and E.crebra - E.blakelyi / E.chloroclada - A.floribunda	BpCB	E. crebra - C. endlicheri	17	0
C.endlicheri and E.crebra - E.microcarpa	BpCW	E. crebra - C. endlicheri	44	0
E.crebra - E.microcarpa and C.endlicheri	CBpW	E. crebra - C. endlicheri	31	0
E.crebra and C.endlicheri	CBp	E. crebra - C. endlicheri	41	0
E.crebra and C.endlicheri - E.nubila	CBpN	E. crebra - C. endlicheri	244	0
Weetalibah 2 Narrow L I.Bark & B.Cypress	CBp	E. crebra - C. endlicheri	45	45
Weetalibah 2 Narrow Leaved Ironbarkark + Black Cypress Pines	CBp	E. crebra - C. endlicheri	270	270
		E. crebra - C. endlicheri Total	14054	5425
E.crebra - C.trachyphloia	CT	E. crebra - C. trachyphloia	734	607
E.crebra - C.trachyphloia - A.floribunda	CTA	E. crebra - C. trachyphloia	52	52
E.crebra - C.trachyphloia and (A.floribunda)	CT	E. crebra - C. trachyphloia	14	14
E.crebra - C.trachyphloia and (C.endlicheri)	CT	E. crebra - C. trachyphloia	35	35
E.crebra - C.trachyphloia and (E.fibrosa)	CT	E. crebra - C. trachyphloia	27	27
E.crebra - C.trachyphloia and (E.macrorhryncha)	CT	E. crebra - C. trachyphloia	330	239
E.crebra - C.trachyphloia and A.floribunda	CAT	E. crebra - C. trachyphloia	20	20

E.crebra - C.trachyphloia and C.endlicheri - A.floribunda	CBpT	E. crebra - C. trachyphloia	20	20
E.crebra - C.trachyphloia and C.glaucophylla - C.endlicheri and E.blakelyi / E.chloroclada - A.floribunda	CPT	E. crebra - C. trachyphloia	12	12
E.crebra - C.trachyphloia and E.blakelyi / E.chloroclada - A.floribunda	CBT	E. crebra - C. trachyphloia	50	50
E.crebra - C.trachyphloia and E.chloroclada - E.macrorhynca	CBT	E. crebra - C. trachyphloia	116	116
E.crebra - C.trachyphloia and E.dwyeri	CDwT	E. crebra - C. trachyphloia	244	206
E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia	CBT	E. crebra - C. trachyphloia	540	417
E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia and E.blakelyi	CBT	E. crebra - C. trachyphloia	30	0
E.crebra - E.blakelyi / E.chloroclada - C.trachyphloia and E.blakelyi - E.macrorhynca	CBT	E. crebra - C. trachyphloia	13	0
E.crebra and C.trachyphloia - E.dwyeri	CTDw	E. crebra - C. trachyphloia	33	33
E.crebra and E.dwyeri	CDw	E. crebra - C. trachyphloia	28	28
Pilliga SFs Lindsay type	CPT	E. crebra - C. trachyphloia	1337	0
Pilliga SFs Lindsay type	CPTB	E. crebra - C. trachyphloia	59	0
Pilliga SFs Lindsay type	CT	E. crebra - C. trachyphloia	6150	0
Pilliga SFs Lindsay type	CTB	E. crebra - C. trachyphloia	184	0
Pilliga SFs Lindsay type	CTBP	E. crebra - C. trachyphloia	1107	0
Pilliga SFs Lindsay type	CTP	E. crebra - C. trachyphloia	2541	0
Pilliga SFs Lindsay type	CTPB	E. crebra - C. trachyphloia	23	0
Pilliga SFs Lindsay type	TCA	E. crebra - C. trachyphloia	125	0
Pilliga SFs Lindsay type	TCP	E. crebra - C. trachyphloia	104	0
		E. crebra - C. trachyphloia Total	13927	1875
E.crebra - E.pilligaensis	CPg	E. crebra - E. pilligaensis	342	0

E.crebra (E.sideroxylon) and E.pilligaensis	CPgSd	E. crebra - E. pilligaensis	9	0
		E. crebra - E. pilligaensis Total	352	0
E.crebra - E.blakelyi / E.chloroclada and E.dealbata	CDB	E. dealbata	9	0
E.dealbata and A.floribunda	DA	E. dealbata	19	19
E.dealbata and C.trachyphloia	DT	E. dealbata	16	0
		E. dealbata Total	44	19
E.dumosa	Du	E. dumosa	1	0
		E. dumosa Total	1	0
E.dwyeri	Dw	E. dwyeri	14	10
E.dwyeri and C.endlicheri	DwBp	E. dwyeri	5	0
E.dwyeri and E.macrorhryncha	DwS	E. dwyeri	40	0
E.dwyeri and E.nubila	DwN	E. dwyeri	81	0
		E. dwyeri Total	139	10
E.fibrosa	F	E. fibrosa	7369	7063
E.fibrosa and (E.chloroclada)	F	E. fibrosa	22	22
E.fibrosa and (E.fibrosa - C.trachyphloia)	F	E. fibrosa	1098	1098
E.fibrosa and E.chloroclada - E.macrorhynca	FBS	E. fibrosa	83	83
Pilliga SFs Lindsay type	F	E. fibrosa	1773	0
Pilliga SFs Lindsay type	FB	E. fibrosa	58	0
Pilliga SFs Lindsay type	FBp	E. fibrosa	152	0
		E. fibrosa Total	10554	8266
E.fibrosa and C.glaucophylla	FG	E. fibrosa - C. glaucophylla	10	10
Pilliga SFs Lindsay type	FOP	E. fibrosa - C. glaucophylla	19	0
Pilliga SFs Lindsay type	FP	E. fibrosa - C. glaucophylla	2280	0
Pilliga SFs Lindsay type	PF	E. fibrosa - C. glaucophylla	34	0
		E. fibrosa - C. glaucophylla Total	2342	10
A.floribunda and E.fibrosa - C.trachyphloia	AFT	E. fibrosa - C. trachyphloia	8	8

E.fibrosa - C.trachyphloia	FT	E. fibrosa - C. trachyphloia	3077	2661
E.fibrosa - C.trachyphloia - E.dwyeri	FTDw	E. fibrosa - C. trachyphloia	6002	5951
E.fibrosa - C.trachyphloia - E.dwyeri and C.endlicheri - E.beyeriana - E.dwyeri	FBpT	E. fibrosa - C. trachyphloia	130	130
E.fibrosa - C.trachyphloia - E.dwyeri and E.beyeriana - E.dwyeri - C.trachyphloia	FET	E. fibrosa - C. trachyphloia	461	461
E.fibrosa - C.trachyphloia and (C.endlicheri - E.fibrosa - C.trachyphloia)	FT	E. fibrosa - C. trachyphloia	36	36
E.fibrosa - C.trachyphloia and C.glaucophylla - C.endlicheri	FTP	E. fibrosa - C. trachyphloia	9	9
E.fibrosa - C.trachyphloia and E.blakelyi	FBT	E. fibrosa - C. trachyphloia	62	62
E.fibrosa - C.trachyphloia and E.crebra	FCT	E. fibrosa - C. trachyphloia	48	0
E.fibrosa - C.trachyphloia and Stringybark	FST	E. fibrosa - C. trachyphloia	50	50
Pilliga SFs Lindsay type	BrFT	E. fibrosa - C. trachyphloia	294	0
Pilliga SFs Lindsay type	FT	E. fibrosa - C. trachyphloia	31037	0
Pilliga SFs Lindsay type	FTB	E. fibrosa - C. trachyphloia	40	0
Pilliga SFs Lindsay type	FTBp	E. fibrosa - C. trachyphloia	8007	0
Pilliga SFs Lindsay type	FTBr	E. fibrosa - C. trachyphloia	3952	0
Pilliga SFs Lindsay type	FTP	E. fibrosa - C. trachyphloia	1202	0
		E. fibrosa - C. trachyphloia Total	54414	9367
E.globoidea	G	E. globoidea	2	0
		E. globoidea Total	2	0
Binnaway 2/3 Narrow-Leaved Ironbark & Black Cypress + Red Stringybark	CSBp	E. macrorhyncha	1044	1044
Binnaway 3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	SCBp	E. macrorhyncha	692	692
C.endlicheri - C.trachyphloia and Stringybark	BpST	E. macrorhyncha	13	13
C.endlicheri - E.crebra - C.trachyphloia and E.macrorhryncha	BpCS	E. macrorhyncha	105	78

C.endlicheri - E.crebra - C.trachyphloia and Stringybark	BpSC	E. macrorhyncha	183	183
C.endlicheri - E.crebra and E.crebra - E.macrorhryncha	BpCS	E. macrorhyncha	42	0
C.endlicheri - E.crebra and E.macrorhryncha	BpSC	E. macrorhyncha	528	32
C.endlicheri - E.nubila - E.dwyeri and E.macrorhryncha	BpSN	E. macrorhyncha	226	0
C.endlicheri - E.sideroxylon and E.macrorhryncha	BpSSd	E. macrorhyncha	18	0
C.endlicheri and C.trachyphloia - E.macrorhynca	BpTS	E. macrorhyncha	7	4
C.endlicheri and E.macrorhryncha	BpS	E. macrorhyncha	9	9
C.glaucophylla - E.nubila and E.macrorhryncha	PSN	E. macrorhyncha	33	0
C.trachyphloia - E.dwyeri and Stringybark	TSDw	E. macrorhyncha	18	18
C.trachyphloia - E.macrorhynca	TS	E. macrorhyncha	78	78
C.trachyphloia - E.macrorhynca and (E.dealbata)	TS	E. macrorhyncha	103	103
E.chloroclada - E.macrorhynca and C.glaucophylla - C.endlicheri	BPS	E. macrorhyncha	5	5
E.crebra - C.trachyphloia - A.floribunda and E.macrorhryncha	CST	E. macrorhyncha	2	2
E.crebra - C.trachyphloia - A.floribunda and E.sparsifolia	CST	E. macrorhyncha	6	6
E.crebra - C.trachyphloia - A.floribunda and Stringybark	CST	E. macrorhyncha	37	37
E.crebra - C.trachyphloia and E.macrorhryncha	CST	E. macrorhyncha	33	33
E.crebra - C.trachyphloia and Stringybark	CST	E. macrorhyncha	80	80
E.crebra - E.conica and E.macrorhryncha	CSCn	E. macrorhyncha	14	0

E.crebra - E.macrorhryncha	CS	E. macrorhyncha	437	0
E.crebra - E.macrorhryncha and A.floribunda	CAS	E. macrorhyncha	20	0
E.crebra - E.macrorhryncha and C.endlicheri	CBpS	E. macrorhyncha	113	0
E.crebra - E.macrorhryncha and C.endlicheri - E.nubila - E.dwyeri	CBpS	E. macrorhyncha	55	0
E.crebra - E.macrorhryncha and E.beyeriana - E.dwyeri	CES	E. macrorhyncha	27	0
E.crebra - E.macrorhryncha and E.macrorhryncha	CS	E. macrorhyncha	7	0
E.crebra (E.sideroxylon) and E.macrorhryncha	CSSd	E. macrorhyncha	994	0
E.crebra and E.macrorhryncha	CS	E. macrorhyncha	44	0
E.macrorhryncha and C.endlicheri - E.beyeriana - E.dwyeri	SBpE	E. macrorhyncha	67	0
E.macrorhryncha and E.beyeriana - E.dwyeri	SEDw	E. macrorhyncha	55	0
E.macrorhryncha and E.dwyeri	SDw	E. macrorhyncha	5	0
E.macrorhryncha and E.fibrosa - E.dwyeri	SFDw	E. macrorhyncha	9	0
Pilliga SFs Lindsay type	BpS	E. macrorhyncha	20	0
Pilliga SFs Lindsay type	PSB	E. macrorhyncha	143	0
Pilliga SFs Lindsay type	PSO	E. macrorhyncha	713	0
Weetalibah 2/3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	SCBp	E. macrorhyncha	17	17
Weetalibah 3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	SCBp	E. macrorhyncha	1013	1013
		E. macrorhyncha Total	7013	3447
Pilliga SFs Lindsay type	Me	E. melanophloia	141	
		E. melanophloia Total	141	0

C.endlicheri - A.floribunda and E.melliodora	BpMA	E. melliodora - E. blakelyi	6	6
C.glaucophylla - E.melliodora	PM	E. melliodora - E. blakelyi	23	0
C.glaucophylla - E.microcarpa and C.glaucophylla - E.melliodora	PWM	E. melliodora - E. blakelyi	13	0
E.blakelyi / E.chloroclada - A.floribunda and E.melliodora	BMA	E. melliodora - E. blakelyi	81	81
E.melliodora	M	E. melliodora - E. blakelyi	41	41
E.melliodora - E.blakelyi/E.chloroclada	MB	E. melliodora - E. blakelyi	47	43
E.melliodora - E.blakelyi/E.chloroclada and A.floribunda	MAB	E. melliodora - E. blakelyi	12	12
E.melliodora - E.blakelyi/E.chloroclada and E.microcarpa	MWB	E. melliodora - E. blakelyi	44	0
E.melliodora and A.floribunda	MA	E. melliodora - E. blakelyi	4	0
E.melliodora and E.blakelyi / E.chloroclada - A.floribunda	MBA	E. melliodora - E. blakelyi	14	14
E.populnea and E.melliodora - E.blakelyi/E.chloroclada	PfMB	E. melliodora - E. blakelyi	6	0
		E. melliodora - E. blakelyi Total	291	197
C.endlicheri - E.microcarpa	BpW	E. microcarpa	82	0
C.endlicheri - E.microcarpa and C.endlicheri - E.sideroxylon	BpWSd	E. microcarpa	49	0
C.endlicheri - E.microcarpa and C.endlicheri - Red Gum	BpWB	E. microcarpa	4	0
E.blakelyi - E. microcarpa	BW	E. microcarpa	151	0
E.blakelyi - E. microcarpa and E.blakelyi / E.chloroclada - A.floribunda	BWA	E. microcarpa	21	0
E.blakelyi - E. microcarpa and A.floribunda	BAW	E. microcarpa	12	0
E.blakelyi / E.chloroclada - E.microcarpa (E.conica)	BW	E. microcarpa	239	0

E.blakelyi and E.microcarpa	BW	E. microcarpa	101	0
E.crebra - E.microcarpa	CW	E. microcarpa	1138	0
E.crebra - E.microcarpa and A.floribunda	CAW	E. microcarpa	6	0
E.crebra - E.microcarpa and E.blakelyi	CBW	E. microcarpa	38	0
E.crebra - E.microcarpa and E.crebra - E.blakelyi / E.chloroclada	CWB	E. microcarpa	2	0
E.crebra (E.sideroxylon) and E.microcarpa	CWSd	E. microcarpa	12	0
E.crebra and E.blakelyi / E.chloroclada - E.microcarpa (E.conica)	CWB	E. microcarpa	115	0
E.microcarpa	W	E. microcarpa	331	0
E.microcarpa (E.conica)	W	E. microcarpa	240	0
E.microcarpa (E.conica) and E.crebra	WC	E. microcarpa	68	0
E.microcarpa and C.endlicheri - E.crebra	WBpC	E. microcarpa	5	0
		E. microcarpa Total	2615	0
C.glaucophylla - E.nubila	PN	E. nubila	21	0
E.blakelyi and E.nubila	BN	E. nubila	15	0
E.nubila	N	E. nubila	2254	0
E.nubila - E.dwyeri	NDw	E. nubila	195	0
E.nubila - E.dwyeri and C.endlicheri - E.beyeriana - E.dwyeri	NBpDw	E. nubila	27	0
E.nubila - E.dwyeri and E.beyeriana - E.dwyeri	NEDw	E. nubila	754	0
E.nubila - E.dwyeri and E.macrorhryncha	NSDw	E. nubila	6	0
E.nubila - E.macrorhryncha	NS	E. nubila	33	0
E.nubila - E.macrorhryncha and E.dwyeri	NDwS	E. nubila	11	0
E.nubila and E.beyeriana - E.dwyeri	NEDw	E. nubila	96	0
E.nubila and E.crebra	NC	E. nubila	733	0
E.nubila and E.dwyeri	NDw	E. nubila	451	0
E.nubila and E.microcarpa	NW	E. nubila	61	0

		E. nubila Total	4659	0
E.pilligaensis	Pg	E. pilligaensis	265	4
E.pilligaensis - E.populnea	PgPf	E. pilligaensis	1	1
E.pilligaensis (E.conica)	Pg	E. pilligaensis	42	0
Pilliga SFs Lindsay type	BPg	E. pilligaensis	36	0
Pilliga SFs Lindsay type	Pg	E. pilligaensis	201	0
Pilliga SFs Lindsay type	PgBP	E. pilligaensis	51	0
Pilliga SFs Lindsay type	PgP	E. pilligaensis	17142	0
Pilliga SFs Lindsay type	PgPf	E. pilligaensis	279	0
		E. pilligaensis Total	18016	0
E.populnea	Pf	E. populnea	40	3
E.populnea and E.albens	PfH	E. populnea	8	0
Pilliga SFs Lindsay type	Pf	E. populnea	58	0
Pilliga SFs Lindsay type	PfP	E. populnea	5266	0
		E. populnea Total	5372	0
A.floribunda and E.punctata - E.globoidea	AUG	E. punctata	44	0
C.endlicheri - E.crebra and E.punctata - E.globoidea	BpUC	E. punctata	187	0
C.endlicheri and E.punctata - E.globoidea	BpUG	E. punctata	21	0
E.macrorhryncha and E.punctata - E.globoidea	SUG	E. punctata	13	0
E.punctata - E.globoidea	UG	E. punctata	807	0
		E. punctata Total	1071	0
C.endlicheri - E.crebra - C.trachyphloia and E.rossii	BpRoC	E. rossii	174	174
C.endlicheri - E.crebra and E.rossii	BpRoC	E. rossii	145	0
C.endlicheri - E.crebra and E.rossii - A.floribunda	BpRoC	E. rossii	48	0
C.endlicheri - E.crebra and E.rossii - C.trachyphloia	BpRoC	E. rossii	22	22

C.endlicheri and E.rossii - A.floribunda	BpRoA	E. rossii	29	0
C.endlicheri and E.rossii - C.trachyphloia	BpRoT	E. rossii	139	139
C.endlicheri and E.rossii - C.trachyphloia - E.beyeriana / E.crebra	BpRoT	E. rossii	39	39
C.glaucophylla - A.floribunda and E.rossii - C.trachyphloia	PRoA	E. rossii	33	33
C.trachyphloia - E.dwyeri and E.rossii - C.trachyphloia	TRoDw	E. rossii	49	49
E.blakelyi / E.chloroclada - A.floribunda and E.rossii	BRoA	E. rossii	49	49
E.blakelyi / E.chloroclada - A.floribunda and E.rossii - A.floribunda	BRoA	E. rossii	52	0
E.blakelyi / E.chloroclada - A.floribunda and E.rossii - C.trachyphloia - E.beyeriana / E.crebra	BRoA	E. rossii	96	96
E.blakelyi and E.rossii	BRo	E. rossii	5	0
E.crebra - C.trachyphloia - A.floribunda and E.rossii	CRoT	E. rossii	71	71
E.crebra - C.trachyphloia and E.rossii	CRoT	E. rossii	314	314
E.crebra - E.blakelyi / E.chloroclada - A.floribunda and E.rossii	CRoB	E. rossii	7	0
E.crebra - E.macrorhryncha and E.rossii - C.trachyphloia	CRoS	E. rossii	14	14
E.crebra and E.rossii	CRo	E. rossii	5	0
E.crebra and E.rossii - A.floribunda	CRoA	E. rossii	12	0
E.rossii	Ro	E. rossii	237	207
E.rossii - A.floribunda	RoA	E. rossii	43	0
E.rossii - C.trachyphloia	RoT	E. rossii	73	69
E.rossii - C.trachyphloia - E.beyeriana / E.crebra	RoTE	E. rossii	314	314

E.rossii - C.trachyphloia - E.beyeriana / E.crebra and E.blakelyi / E.chloroclada - A.floribunda	RoCT	E. rossii	44	44
E.rossii - C.trachyphloia - E.beyeriana / E.crebra and E.macrorhryncha	RoST	E. rossii	40	40
E.rossii - C.trachyphloia - E.beyeriana / E.crebra and Stringybark	RoST	E. rossii	52	52
E.rossii and C.endlicheri - E.crebra - C.trachyphloia	RoBpC	E. rossii	26	26
E.rossii and E.blakelyi	RoB	E. rossii	10	10
E.rossii and E.crebra (E.sideroxylon)	RoC	E. rossii	22	22
E.rossii and Stringybark	RoS	E. rossii	10	10
		E. rossii Total	2173	1793
C.endlicheri - E.crebra and E.sideroxylon	BpSdC	E. sideroxylon	31	0
C.endlicheri - E.nubila and C.endlicheri - E.sideroxylon	BpNSd	E. sideroxylon	20	0
C.endlicheri - E.nubila and E.macrorhryncha	BpSdN	E. sideroxylon	116	0
C.endlicheri - E.nubila and E.sideroxylon	BpSdN	E. sideroxylon	131	0
C.endlicheri - E.sideroxylon	BpSd	E. sideroxylon	50	0
C.endlicheri - E.sideroxylon and C.endlicheri - E.beyeriana - E.dwyeri	BpSdE	E. sideroxylon	155	0
C.endlicheri - E.sideroxylon and E.crebra	BpCSd	E. sideroxylon	121	0
C.endlicheri - E.sideroxylon and E.crebra - E.microcarpa	BpCSd	E. sideroxylon	9	0
C.endlicheri and E.sideroxylon	BpSd	E. sideroxylon	3	0
C.glaucophylla - E.sideroxylon	PSd	E. sideroxylon	8	8
E.crebra - E.microcarpa and E.sideroxylon	CSdW	E. sideroxylon	96	0
E.crebra - E.microcarpa and E.sideroxylon - E.blakelyi / E.chloroclada - A.floribunda	CSdW	E. sideroxylon	56	0

E.crebra and E.sideroxylon	CSd	E. sideroxylon	112	0
E.sideroxylon	Sd	E. sideroxylon	140	0
E.sideroxylon - E.microcarpa	SdW	E. sideroxylon	44	0
E.sideroxylon - E.microcarpa and C.endlicheri - E.crebra	SdBpW	E. sideroxylon	67	0
E.sideroxylon - E.microcarpa and E.crebra	SdCW	E. sideroxylon	25	0
E.sideroxylon and E.crebra	SdC	E. sideroxylon	27	0
E.sideroxylon and E.crebra - C.trachyphloia - A.floribunda	SdCT	E. sideroxylon	19	19
E.sideroxylon and E.crebra - E.macrorhryncha	SdCS	E. sideroxylon	63	0
E.sideroxylon and E.dumosa	SdDu	E. sideroxylon	6	6
Pilliga SFs Lindsay type	PSdO	E. sideroxylon	146	0
Pilliga SFs Lindsay type	PSdO(Pg)	E. sideroxylon	183	0
Pilliga SFs Lindsay type	SOP+COP	E. sideroxylon	394	0
Pilliga SFs Lindsay type	SdOP	E. sideroxylon	388	0
Pilliga SFs Lindsay type	SdP	E. sideroxylon	206	0
Weetalibah 1 Red Gum + Mugga Ironbark + Rough Barked Apple	BSdA	E. sideroxylon	356	356
		E. sideroxylon Total	2974	390
C.endlicheri - E.nubila and E.viridis	BpVN	E. viridis	27	0
E.crebra (E.sideroxylon) and E.viridis	CVSd	E. viridis	15	0
E.crebra and E.viridis	CV	E. viridis	3	0
E.nubila and E.viridis	NV	E. viridis	10	0
E.viridis	V	E. viridis	314	0
E.viridis and E.dumosa	VDu	E. viridis	272	272
Mallee	V	E. viridis	73	0
Pilliga SFs Lindsay type	MALLEE-W	E. viridis	19	0
Pilliga SFs Lindsay type	V	E. viridis	105	0
		E. viridis Total	838	272

Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)		Heath and shrubland	48	0
Broombush Melaleuca uncinata (Calytrix tetragona)		Heath and shrubland	78	0
Pilliga SFs Lindsay type	Br	Heath and shrubland	14884	0
Pilliga SFs Lindsay type	Br-Kurracabah	Heath and shrubland	510	0
Pilliga SFs Lindsay type	Br+T	Heath and shrubland	66	0
Pilliga SFs Lindsay type	Br-Heath	Heath and shrubland	97	0
Pilliga SFs Lindsay type	Br-JUNGLE	Heath and shrubland	925	0
Pilliga SFs Lindsay type	HEATH-Br	Heath and shrubland	174	0
		Heath and shrubland Total	16783	0
C.glaucophylla - Box		Not allocated to a group	18	0
C.glaucophylla - Box and C.endlicheri - Red Gum		Not allocated to a group	51	0
C.glaucophylla - Box and C.glaucophylla - E.crebra		Not allocated to a group	292	0
C.glaucophylla - Box and Red Gum		Not allocated to a group	2	0
E.crebra - Box		Not allocated to a group	135	0
E.crebra - Box and E.blakelyi		Not allocated to a group	23	0
E.crebra - Box and E.crebra - E.blakelyi / E.chloroclada		Not allocated to a group	135	0
Pilliga SFs Lindsay type	JUNGLE	Not allocated to a group	1297	0
Pilliga SFs Lindsay type	KURRICABAH	Not allocated to a group	34	0
Pilliga SFs Lindsay type	SCRUB	Not allocated to a group	705	0
Pilliga SFs Lindsay type	SWAMP	Not allocated to a group	16	0
Pilliga SFs Lindsay type	UNTYPED	Not allocated to a group	12226	0
Pilliga SFs Lindsay type	WATTLE/T	Not allocated to a group	1031	0
Uninterpretable		Not allocated to a group	196	196
		Ungrouped Total	16580	196

Bull Oak			111	0
Exclusions			256	0
Wattle / native pioneers			40	0
		Grand Total	556582	47284

APPENDIX 18. VEGETATION TYPES DEVELOPED IN STAGE 1 MAPPING, INCLUDING THE NUMBER OF PLOYGONS (COUNT) AND THE AREAS (HECTARES) OF EACH TYPE

Forest	Common name	Count	Area (ha)
Pilliga NR	Baradine Red Gum	2	26.5
	Baradine Red Gum Total	2	26.5
Pilliga NR	Baradine Red Gum - Red Stringybark	12	351.8
	Baradine Red Gum - Red Stringybark Total	12	351.8
Pilliga NR	Baradine Red Gum - Red Stringybark and (Cypress black - Narrowleaved Ironbark)	1	90.7
	Baradine Red Gum - Red Stringybark and (Cypress black - Narrowleaved Ironbark) Total	1	90.7
Pilliga NR	Baradine Red Gum - Red Stringybark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	781.6
	Baradine Red Gum - Red Stringybark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	2	781.6
Pilliga NR	Baradine Red Gum - Red Stringybark and Cypress black - Blakelys Red Gum / Baradine Red Gum	1	27.4
	Baradine Red Gum - Red Stringybark and Cypress black - Blakelys Red Gum / Baradine Red Gum Total	1	27.4
Pilliga NR	Baradine Red Gum - Red Stringybark and Cypress white - Cypress black	1	5.2
	Baradine Red Gum - Red Stringybark and Cypress white - Cypress black Total	1	5.2
Pilliga NR	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark	1	22.9
	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark Total	1	22.9
Pilliga NR	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple	1	251.4
	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple Total	1	251.4
Pilliga NR	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark (Mugga Ironbark)	1	44.2
	Baradine Red Gum - Red Stringybark and Narrowleaved Ironbark (Mugga Ironbark) Total	1	44.2
Pilliga NR	Baradine Red Gum - Red Stringybark and Rough Barked Apple / Smoothbarked Apple	3	157.2
	Baradine Red Gum - Red Stringybark and Rough Barked Apple / Smoothbarked Apple Total	3	157.2
Pilliga NR	Baradine Red Gum - Red Stringybark and Roughbarked Apple	2	92.9
	Baradine Red Gum - Red Stringybark and Roughbarked Apple Total	2	92.9
Pilliga NR	Beyers Ironbark - Cypress Black - Dwyers Red Gum - Brown Bloodwood	3	16.5
	Beyers Ironbark - Cypress Black - Dwyers Red Gum - Brown Bloodwood Total	3	16.5
Breelong/Eura/LincolnSF	Beyers Ironbark - Dwyers Red Gum	2	33.6
Coolbaggie NR	Beyers Ironbark - Dwyers Red Gum	4	45.3
Goonoo SF	Beyers Ironbark - Dwyers Red Gum	50	1119.6
Mogriguy SF	Beyers Ironbark - Dwyers Red Gum	1	4.4
	Beyers Ironbark - Dwyers Red Gum Total	57	1202.9
Pilliga NR	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood	7	158.9
	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood Total	7	158.9
Pilliga NR	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and (Baradine Red Gum)	1	4.7
	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and (Baradine Red Gum) Total	1	4.7
Pilliga NR	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and Red Ironbark	2	33.8
	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and Red Ironbark Total	2	33.8
Pilliga NR	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and Red Ironbark - Brown Bloodwood - Dwyers Red Gum	14	569.1

	Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood and Red Ironbark - Brown Bloodwood - Dwyers Red Gum Total	14	569.1
Goonoo SF	Beyers Ironbark - Dwyers Red Gum and Blueleaved Ironbark	4	65.1
	Beyers Ironbark - Dwyers Red Gum and Blueleaved Ironbark Total	4	65.1
Coolbaggie NR	Beyers Ironbark - Dwyers Red Gum and Cypress black	1	13.4
Goonoo SF	Beyers Ironbark - Dwyers Red Gum and Cypress black	2	47.5
	Beyers Ironbark - Dwyers Red Gum and Cypress black Total	3	60.9
Coolbaggie NR	Beyers Ironbark - Dwyers Red Gum and Cypress black - Blueleaved Ironbark	1	105.4
Goonoo SF	Beyers Ironbark - Dwyers Red Gum and Cypress black - Blueleaved Ironbark	2	130.0
	Beyers Ironbark - Dwyers Red Gum and Cypress black - Blueleaved Ironbark Total	3	235.4
Brigalow Park NR	Bimble Box	3	1.6
Claremont NR	Bimble Box	1	1.2
Vickery SF	Bimble Box	1	19.6
Waubebunga SF	Bimble Box	1	18.0
	Bimble Box Total	6	40.3
Bullawa Creek SF	Bimble Box and White Box	1	8.0
	Bimble Box and White Box Total	1	8.0
Goran SF	Bimble Box and Yellow Box - Blakelys Red Gum / Baradine Red Gum	1	6.1
	Bimble Box and Yellow Box - Blakelys Red Gum / Baradine Red Gum Total	1	6.1
Cobbora SF	Blakelys Red Gum	1	49.7
Durridgere SF	Blakelys Red Gum	15	132.9
Pilliga NR	Blakelys Red Gum	12	164.8
Tinkrameanah SF	Blakelys Red Gum	3	26.4
Trinkey SF	Blakelys Red Gum	1	23.7
Yearinan West	Blakelys Red Gum	2	12.7
	Blakelys Red Gum Total	34	410.2
Pilliga NR	Blakelys Red Gum - Red Stringybark and Cypress black	1	10.1
	Blakelys Red Gum - Red Stringybark and Cypress black Total	1	10.1
Durridgere SF	Blakelys Red Gum - Western Grey Box	2	150.6
	Blakelys Red Gum - Western Grey Box Total	2	150.6
Durridgere SF	Blakelys Red Gum - Western Grey Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	20.8
	Blakelys Red Gum - Western Grey Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	20.8
Durridgere SF	Blakelys Red Gum - Western Grey Box and Roughbarked Apple	1	12.2
	Blakelys Red Gum - Western Grey Box and Roughbarked Apple Total	1	12.2
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	18	444.3
Spring Ridge SF	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	1	29.8
Trinkey SF	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	1	56.3
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood Total	20	530.4
Trinkey SF	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood - Roughbarked Apple	1	28.3
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood - Roughbarked Apple Total	1	28.3
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Baradine Red Gum - Red Stringybark	1	39.1
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Baradine Red Gum - Red Stringybark Total	1	39.1
Spring Ridge SF	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum	1	8.7
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum Total	1	8.7

Trinkey SF	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Cypress Black - (Red Ironbark - Brown Bloodwood - sparse)	1	68.6
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Cypress Black - (Red Ironbark - Brown Bloodwood - sparse) Total	1	68.6
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Cypress white - Cypress black	1	51.7
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Cypress white - Cypress black Total	1	51.7
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Red Ironbark	2	69.0
	Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Red Ironbark Total	2	69.0
Drillwarrina SF	Blakelys Red Gum / Baradine Red Gum - Pilliga Box and Narrowleaved Ironbark	1	36.3
	Blakelys Red Gum / Baradine Red Gum - Pilliga Box and Narrowleaved Ironbark Total	1	36.3
Cobbora SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	12.3
Coolbaggie NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	78.7
Curryal SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	13.1
Durridgere SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	11	239.1
Garrawilla SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	60.1
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	24	419.9
Tinkrameanah SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	25.7
Trinkey SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	44.8
Wondoba SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	9.6
Yearinan West	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	7.4
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	53	910.7
Durridgere SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple - Desert Pine	1	10.4
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple - Desert Pine Total	1	10.4
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and (Red Stringybark)	1	30.2
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and (Red Stringybark) Total	1	30.2
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and (Yellow Box)	1	18.9
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and (Yellow Box) Total	1	18.9
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum	1	39.1
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum Total	1	39.1
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark	2	171.3
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark Total	2	171.3
Tinkrameanah SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Brown Bloodwood - Red Stringybark	1	9.0
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Brown Bloodwood - Red Stringybark Total	1	9.0
Cobbora SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress black	1	23.2
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress black Total	1	23.2
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress white - Cypress black	2	49.5
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress white - Cypress black Total	2	49.5
Coolbaggie NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Fuzzy Box	2	18.5
Goonoo SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Fuzzy Box	2	201.5
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Fuzzy Box Total	4	220.0
Cobbora SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Narrowleaved Ironbark	1	5.6
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Narrowleaved Ironbark Total	1	5.6
Cobbora SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Narrowleaved Ironbark - Red Stringybark	1	23.6
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Narrowleaved Ironbark - Red Stringybark Total	1	23.6

Durridgere SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Red Stringybark	1	5.2
Goonoo SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Red Stringybark	1	39.5
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Red Stringybark	1	33.1
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Red Stringybark Total	3	77.9
Curryal SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Roughbarked Apple	1	6.3
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Roughbarked Apple Total	1	6.3
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum	3	48.5
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum Total	3	48.5
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark	2	95.9
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark Total	2	95.9
Durridgere SF	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum - Roughbarked Apple	3	51.9
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum - Roughbarked Apple Total	3	51.9
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Stringybark	2	89.0
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Stringybark Total	2	89.0
Pilliga NR	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Yellow Box	4	81.0
	Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Yellow Box Total	4	81.0
Cobbora SF	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box)	3	77.7
Goonoo SF	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box)	2	161.6
	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) Total	5	239.3
Coolbaggie NR	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) and Narrowleaved Ironbark	1	10.9
Goonoo SF	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) and Narrowleaved Ironbark	2	107.6
	Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) and Narrowleaved Ironbark Total	3	118.5
Durridgere SF	Blakelys Red Gum and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	5.3
	Blakelys Red Gum and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	5.3
Cobbora SF	Blakelys Red Gum and Blueleaved Ironbark	1	15.2
	Blakelys Red Gum and Blueleaved Ironbark Total	1	15.2
Tinkrameanah SF	Blakelys Red Gum and Brown Bloodwood - Red Stringybark	1	5.0
	Blakelys Red Gum and Brown Bloodwood - Red Stringybark Total	1	5.0
Pilliga NR	Blakelys Red Gum and Cypress white	1	35.6
	Blakelys Red Gum and Cypress white Total	1	35.6
Goonoo SF	Blakelys Red Gum and Fuzzy Box	1	21.2
	Blakelys Red Gum and Fuzzy Box Total	1	21.2
Cobbora SF	Blakelys Red Gum and Narrowleaved Ironbark	1	11.2
	Blakelys Red Gum and Narrowleaved Ironbark Total	1	11.2
Durridgere SF	Blakelys Red Gum and Scribbly Gum	1	4.9
	Blakelys Red Gum and Scribbly Gum Total	1	4.9
Goonoo SF	Blakelys Red Gum and Western Grey Box	1	100.8
	Blakelys Red Gum and Western Grey Box Total	1	100.8
Breelong/Eura/LincolnSF	Blueleaved Ironbark	11	389.9
Cobbora SF	Blueleaved Ironbark	16	470.7
Coolbaggie NR	Blueleaved Ironbark	1	9.0

Goonoo SF	Blueleaved Ironbark	28	1383.9
	Blueleaved Ironbark Total	56	2253.5
Breelong/Eura/LincolnSF	Blueleaved Ironbark - Dwyers Red Gum	1	9.0
Goonoo SF	Blueleaved Ironbark - Dwyers Red Gum	6	168.5
Mogriguy SF	Blueleaved Ironbark - Dwyers Red Gum	1	17.6
	Blueleaved Ironbark - Dwyers Red Gum Total	8	195.2
Goonoo SF	Blueleaved Ironbark - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum	11	754.2
	Blueleaved Ironbark - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum Total	11	754.2
Goonoo SF	Blueleaved Ironbark - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum	1	27.0
	Blueleaved Ironbark - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	1	27.0
Goonoo SF	Blueleaved Ironbark - Dwyers Red Gum and Red Stringybark	1	6.2
	Blueleaved Ironbark - Dwyers Red Gum and Red Stringybark Total	1	6.2
Cobbora SF	Blueleaved Ironbark - Red Stringybark	1	33.3
	Blueleaved Ironbark - Red Stringybark Total	1	33.3
Goonoo SF	Blueleaved Ironbark - Red Stringybark and Dwyers Red Gum	2	11.2
	Blueleaved Ironbark - Red Stringybark and Dwyers Red Gum Total	2	11.2
Goonoo SF	Blueleaved Ironbark and Beyers Ironbark - Dwyers Red Gum	1	96.2
	Blueleaved Ironbark and Beyers Ironbark - Dwyers Red Gum Total	1	96.2
Cobbora SF	Blueleaved Ironbark and Dwyers Red Gum	5	445.6
Goonoo SF	Blueleaved Ironbark and Dwyers Red Gum	1	5.8
	Blueleaved Ironbark and Dwyers Red Gum Total	6	451.4
Breelong/Eura/LincolnSF	Blueleaved Ironbark and Green Mallee	1	9.7
	Blueleaved Ironbark and Green Mallee Total	1	9.7
Breelong/Eura/LincolnSF	Blueleaved Ironbark and Narrowleaved Ironbark	3	47.8
Cobbora SF	Blueleaved Ironbark and Narrowleaved Ironbark	6	180.9
Goonoo SF	Blueleaved Ironbark and Narrowleaved Ironbark	18	504.4
	Blueleaved Ironbark and Narrowleaved Ironbark Total	27	733.0
Cobbora SF	Blueleaved Ironbark and Western Grey Box	4	61.5
	Blueleaved Ironbark and Western Grey Box Total	4	61.5
Garrawilla SF	Brown Bloodwood	1	4.1
Pilliga NR	Brown Bloodwood	4	78.9
Spring Ridge SF	Brown Bloodwood	1	11.7
Yearinan West	Brown Bloodwood	1	3.8
	Brown Bloodwood Total	7	98.5
Garrawilla SF	Brown Bloodwood - Dwyers Red Gum	4	57.1
Pilliga NR	Brown Bloodwood - Dwyers Red Gum	10	119.1
Tinkrameanah SF	Brown Bloodwood - Dwyers Red Gum	1	6.5
	Brown Bloodwood - Dwyers Red Gum Total	15	182.7
Garrawilla SF	Brown Bloodwood - Dwyers Red Gum and (Narrowleaved Ironbark)	2	61.3
	Brown Bloodwood - Dwyers Red Gum and (Narrowleaved Ironbark) Total	2	61.3
Pilliga NR	Brown Bloodwood - Dwyers Red Gum and Scribbly Gum - Brown Bloodwood	1	49.2
	Brown Bloodwood - Dwyers Red Gum and Scribbly Gum - Brown Bloodwood Total	1	49.2
Pilliga NR	Brown Bloodwood - Dwyers Red Gum and Stringybark	1	18.0

	Brown Bloodwood - Dwyers Red Gum and Stringybark Total	1	18.0
Pilliga NR	Brown Bloodwood - Red Stringybark	4	77.6
	Brown Bloodwood - Red Stringybark Total	4	77.6
Pilliga NR	Brown Bloodwood - Red Stringybark and (Tumbledown Red Gum)	1	103.0
	Brown Bloodwood - Red Stringybark and (Tumbledown Red Gum) Total	1	103.0
Yearinan West	Brown Bloodwood and Fuzzy Box	1	4.2
	Brown Bloodwood and Fuzzy Box Total	1	4.2
Curryal SF	Cypress black	1	1.5
Durridgere SF	Cypress black	1	3.3
Pilliga NR	Cypress black	1	0.6
Trinkey SF	Cypress black	3	76.5
Wondoba SF	Cypress black	2	15.5
	Cypress black Total	8	97.3
Pilliga NR	Cypress Black - (Red Ironbark - Brown Bloodwood - sparse)	1	10.3
Trinkey SF	Cypress Black - (Red Ironbark - Brown Bloodwood - sparse)	3	110.7
	Cypress Black - (Red Ironbark - Brown Bloodwood - sparse) Total	4	121.0
Pilliga NR	Cypress Black - (Red Ironbark - sparse)	2	12.8
Trinkey SF	Cypress Black - (Red Ironbark - sparse)	1	19.2
	Cypress Black - (Red Ironbark - sparse) Total	3	32.0
Pilliga NR	Cypress black - Blakelys Red Gum - Brown Bloodwood	8	139.7
Trinkey SF	Cypress black - Blakelys Red Gum - Brown Bloodwood	1	49.4
	Cypress black - Blakelys Red Gum - Brown Bloodwood Total	9	189.1
Trinkey SF	Cypress black - Blakelys Red Gum - Brown Bloodwood and Cypress black - Blakelys Red Gum - Roughbarked Apple	1	140.3
	Cypress black - Blakelys Red Gum - Brown Bloodwood and Cypress black - Blakelys Red Gum - Roughbarked Apple Total	1	140.3
Trinkey SF	Cypress black - Blakelys Red Gum - Brown Bloodwood and Red Ironbark	1	55.9
	Cypress black - Blakelys Red Gum - Brown Bloodwood and Red Ironbark Total	1	55.9
Garrawilla SF	Cypress black - Blakelys Red Gum - Roughbarked Apple	1	10.0
Pilliga NR	Cypress black - Blakelys Red Gum - Roughbarked Apple	6	107.1
Tinkrameanah SF	Cypress black - Blakelys Red Gum - Roughbarked Apple	1	38.8
Trinkey SF	Cypress black - Blakelys Red Gum - Roughbarked Apple	1	360.5
	Cypress black - Blakelys Red Gum - Roughbarked Apple Total	9	516.5
Yearinan West	Cypress black - Blakelys Red Gum - Roughbarked Apple and Narrowleaved Ironbark	1	3.6
	Cypress black - Blakelys Red Gum - Roughbarked Apple and Narrowleaved Ironbark Total	1	3.6
Trinkey SF	Cypress black - Blakelys Red Gum / Baradine Red Gum and Cypress Black - Red Ironbark - Brown Bloodwood	1	36.4
	Cypress black - Blakelys Red Gum / Baradine Red Gum and Cypress Black - Red Ironbark - Brown Bloodwood Total	1	36.4
Trinkey SF	Cypress black - Blakelys Red Gum / Baradine Red Gum and Red Ironbark - Brown Bloodwood	1	12.8
	Cypress black - Blakelys Red Gum / Baradine Red Gum and Red Ironbark - Brown Bloodwood Total	1	12.8
Balladoran SF	Cypress black - Blueleaved Ironbark	1	7.3
Biddon SF	Cypress black - Blueleaved Ironbark	5	253.6
Breelong/Eura/LincolnSF	Cypress black - Blueleaved Ironbark	17	1550.7
Cobbora SF	Cypress black - Blueleaved Ironbark	10	468.3
Coolbaggie NR	Cypress black - Blueleaved Ironbark	3	152.4
Goonoo SF	Cypress black - Blueleaved Ironbark	106	19080.2

Mogriguy SF	Cypress black - Blueleaved Ironbark	3	50.6
Yalcogrin SF	Cypress black - Blueleaved Ironbark	1	4.3
Yarindury SF	Cypress black - Blueleaved Ironbark	3	457.6
	Cypress black - Blueleaved Ironbark Total	149	22025.0
Coolbaggie NR	Cypress black - Blueleaved Ironbark and Beyers Ironbark - Dwyers Red Gum	1	10.9
Goonoo SF	Cypress black - Blueleaved Ironbark and Beyers Ironbark - Dwyers Red Gum	10	369.3
	Cypress black - Blueleaved Ironbark and Beyers Ironbark - Dwyers Red Gum Total	11	380.2
Yarindury SF	Cypress black - Blueleaved Ironbark and Cypress black - Mugga Ironbark	1	19.9
	Cypress black - Blueleaved Ironbark and Cypress black - Mugga Ironbark Total	1	19.9
Beni SF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	2	53.0
Biddon SF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	1	17.8
Breelong/Eura/LincolnSF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	8	204.7
Goonoo SF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	57	2180.6
Mogriguy SF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	1	17.1
Yarindury SF	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark	5	265.9
	Cypress black - Blueleaved Ironbark and Cypress black - Narrowleaved Ironbark Total	74	2739.1
Goonoo SF	Cypress black - Blueleaved Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum	5	189.4
	Cypress black - Blueleaved Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	5	189.4
Biddon SF	Cypress black - Blueleaved Ironbark and Cypress white - Blueleaved Ironbark	1	43.8
Breelong/Eura/LincolnSF	Cypress black - Blueleaved Ironbark and Cypress white - Blueleaved Ironbark	1	28.9
	Cypress black - Blueleaved Ironbark and Cypress white - Blueleaved Ironbark Total	2	72.6
Breelong/Eura/LincolnSF	Cypress black - Blueleaved Ironbark and Cypress white - Narrowleaved Ironbark	1	23.7
Yarindury SF	Cypress black - Blueleaved Ironbark and Cypress white - Narrowleaved Ironbark	2	52.5
	Cypress black - Blueleaved Ironbark and Cypress white - Narrowleaved Ironbark Total	3	76.2
Yarindury SF	Cypress black - Blueleaved Ironbark and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	1	39.1
	Cypress black - Blueleaved Ironbark and Cypress white - Narrowleaved Ironbark (Mugga Ironbark) Total	1	39.1
Goonoo SF	Cypress black - Blueleaved Ironbark and Dwyers Red Gum	11	1449.3
	Cypress black - Blueleaved Ironbark and Dwyers Red Gum Total	11	1449.3
Goonoo SF	Cypress black - Blueleaved Ironbark and Green Mallee	1	27.0
	Cypress black - Blueleaved Ironbark and Green Mallee Total	1	27.0
Goonoo SF	Cypress black - Blueleaved Ironbark and Mugga Ironbark	4	131.2
	Cypress black - Blueleaved Ironbark and Mugga Ironbark Total	4	131.2
Cobbora SF	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark	1	20.3
Coolbaggie NR	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark	1	34.5
Goonoo SF	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark	19	689.8
	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark Total	21	744.6
Breelong/Eura/LincolnSF	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark (Mugga Ironbark)	3	47.3
Yarindury SF	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark (Mugga Ironbark)	1	6.0
	Cypress black - Blueleaved Ironbark and Narrowleaved Ironbark (Mugga Ironbark) Total	4	53.3
Goonoo SF	Cypress black - Blueleaved Ironbark and Red Stringybark	4	116.3
	Cypress black - Blueleaved Ironbark and Red Stringybark Total	4	116.3
Yarindury SF	Cypress black - Box and Narrowleaved Ironbark (Mugga Ironbark)	1	57.9
	Cypress black - Box and Narrowleaved Ironbark (Mugga Ironbark) Total	1	57.9

Garrawilla SF	Cypress black - Brown Bloodwood	1	6.2
Pilliga NR	Cypress black - Brown Bloodwood	8	94.2
Trinkey SF	Cypress black - Brown Bloodwood	1	11.0
	Cypress black - Brown Bloodwood Total	10	111.4
Garrawilla SF	Cypress black - Brown Bloodwood and Dwyers Red Gum	1	39.1
	Cypress black - Brown Bloodwood and Dwyers Red Gum Total	1	39.1
Pilliga NR	Cypress black - Brown Bloodwood and Narrowleaved Ironbark	5	65.7
	Cypress black - Brown Bloodwood and Narrowleaved Ironbark Total	5	65.7
Pilliga NR	Cypress black - Brown Bloodwood and Narrowleaved Ironbark - Red Stringybark	1	9.2
	Cypress black - Brown Bloodwood and Narrowleaved Ironbark - Red Stringybark Total	1	9.2
Garrawilla SF	Cypress black - Brown Bloodwood and Roughbarked Apple	1	9.4
Pilliga NR	Cypress black - Brown Bloodwood and Roughbarked Apple	1	9.7
Tinkrameanah SF	Cypress black - Brown Bloodwood and Roughbarked Apple	1	8.5
	Cypress black - Brown Bloodwood and Roughbarked Apple Total	3	27.6
Pilliga NR	Cypress black - Brown Bloodwood and Stringybark	2	13.3
	Cypress black - Brown Bloodwood and Stringybark Total	2	13.3
Goonoo SF	Cypress black - Mugga Ironbark	1	50.4
	Cypress black - Mugga Ironbark Total	1	50.4
Goonoo SF	Cypress black - Mugga Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum	1	155.0
	Cypress black - Mugga Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	1	155.0
Goonoo SF	Cypress black - Mugga Ironbark and Narrowleaved Ironbark	4	120.5
	Cypress black - Mugga Ironbark and Narrowleaved Ironbark Total	4	120.5
Goonoo SF	Cypress black - Mugga Ironbark and Narrowleaved Ironbark - Western Grey Box	1	9.2
	Cypress black - Mugga Ironbark and Narrowleaved Ironbark - Western Grey Box Total	1	9.2
Goonoo SF	Cypress black - Mugga Ironbark and Red Stringybark	2	17.8
	Cypress black - Mugga Ironbark and Red Stringybark Total	2	17.8
Beni SF	Cypress black - Narrowleaved Ironbark	7	142.8
Biddon SF	Cypress black - Narrowleaved Ironbark	6	105.8
Breelong/Eura/LincolnSF	Cypress black - Narrowleaved Ironbark	13	162.1
Coolbaggie NR	Cypress black - Narrowleaved Ironbark	2	166.3
Durridgere SF	Cypress black - Narrowleaved Ironbark	19	242.0
Goonoo SF	Cypress black - Narrowleaved Ironbark	78	4041.5
Mogriguy SF	Cypress black - Narrowleaved Ironbark	3	101.8
Pilliga NR	Cypress black - Narrowleaved Ironbark	1	17.9
Trinkey SF	Cypress black - Narrowleaved Ironbark	1	140.7
Wondoba SF	Cypress black - Narrowleaved Ironbark	4	600.0
Yalcogrin SF	Cypress black - Narrowleaved Ironbark	1	15.3
Yarindury SF	Cypress black - Narrowleaved Ironbark	3	37.3
Yearinan West	Cypress black - Narrowleaved Ironbark	1	6.1
	Cypress black - Narrowleaved Ironbark Total	139	5779.6
Pilliga NR	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	80.7
Wondoba SF	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	2	50.2
	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	3	130.9
Pilliga NR	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	2	15.5

Trinkey SF	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	2	113.1
	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood Total	4	128.6
Pilliga NR	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum - Red Stringybark	1	73.1
	Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum - Red Stringybark Total	1	73.1
Garrawilla SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood	7	89.6
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood	40	856.0
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood	10	165.2
Trinkey SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood	4	203.4
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood Total	61	1314.2
Garrawilla SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple)	1	48.2
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple) Total	1	48.2
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark)	2	397.1
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark)	3	233.0
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark) Total	5	630.1
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Scribbly Gum)	1	43.6
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and (Scribbly Gum) Total	1	43.6
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum	1	14.8
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum Total	1	14.8
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	70.2
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	18.1
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	4	88.3
Garrawilla SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	3	47.3
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	2	64.2
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	4	100.4
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark Total	9	211.8
Garrawilla SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark	1	25.8
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark	3	52.5
Tinkrameanah SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark	2	27.1
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark Total	6	105.4
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Roughbarked Apple	5	81.2
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Roughbarked Apple Total	5	81.2
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Scribbly Gum	8	173.6
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Scribbly Gum Total	8	173.6
Garrawilla SF	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Stringybark	1	7.5
Pilliga NR	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Stringybark	7	175.3
	Cypress black - Narrowleaved Ironbark - Brown Bloodwood and Stringybark Total	8	182.8
Beni SF	Cypress black - Narrowleaved Ironbark (Mugga Ironbark)	6	570.2
Breelong/Eura/LincolnSF	Cypress black - Narrowleaved Ironbark (Mugga Ironbark)	2	78.0
Durridgere SF	Cypress black - Narrowleaved Ironbark (Mugga Ironbark)	1	26.1
Wongarbon NR	Cypress black - Narrowleaved Ironbark (Mugga Ironbark)	2	32.3
	Cypress black - Narrowleaved Ironbark (Mugga Ironbark) Total	11	706.6
Beni SF	Cypress black - Narrowleaved Ironbark (Mugga Ironbark) and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	2	49.8

	Cypress black - Narrowleaved Ironbark (Mugga Ironbark) and Cypress white - Narrowleaved Ironbark (Mugga Ironbark) Total	2	49.8
Coolbaggie NR	Cypress black - Narrowleaved Ironbark and Baradine Red Gum	1	8.9
	Cypress black - Narrowleaved Ironbark and Baradine Red Gum Total	1	8.9
Goonoo SF	Cypress black - Narrowleaved Ironbark and Blakelys Red Gum	1	8.8
Yearinan West	Cypress black - Narrowleaved Ironbark and Blakelys Red Gum	1	23.8
	Cypress black - Narrowleaved Ironbark and Blakelys Red Gum Total	2	32.6
Yearinan West	Cypress black - Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	25.1
	Cypress black - Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	25.1
Goonoo SF	Cypress black - Narrowleaved Ironbark and Blueleaved Ironbark	1	28.5
	Cypress black - Narrowleaved Ironbark and Blueleaved Ironbark Total	1	28.5
Yearinan West	Cypress black - Narrowleaved Ironbark and Brown Bloodwood	3	30.2
	Cypress black - Narrowleaved Ironbark and Brown Bloodwood Total	3	30.2
Pilliga NR	Cypress black - Narrowleaved Ironbark and Brown Bloodwood - Red Stringybark	1	13.2
	Cypress black - Narrowleaved Ironbark and Brown Bloodwood - Red Stringybark Total	1	13.2
Goonoo SF	Cypress black - Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark	1	9.7
	Cypress black - Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark Total	1	9.7
Durridgere SF	Cypress black - Narrowleaved Ironbark and Cypress Black - Red Ironbark	3	28.3
	Cypress black - Narrowleaved Ironbark and Cypress Black - Red Ironbark Total	3	28.3
Goonoo SF	Cypress black - Narrowleaved Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum	2	52.0
	Cypress black - Narrowleaved Ironbark and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	2	52.0
Beni SF	Cypress black - Narrowleaved Ironbark and Cypress white - Narrowleaved Ironbark	4	117.1
Biddon SF	Cypress black - Narrowleaved Ironbark and Cypress white - Narrowleaved Ironbark	1	49.6
Breelong/Eura/LincolnSF	Cypress black - Narrowleaved Ironbark and Cypress white - Narrowleaved Ironbark	5	107.7
Yalcogrin SF	Cypress black - Narrowleaved Ironbark and Cypress white - Narrowleaved Ironbark	2	31.4
	Cypress black - Narrowleaved Ironbark and Cypress white - Narrowleaved Ironbark Total	12	305.7
Durridgere SF	Cypress black - Narrowleaved Ironbark and Grey Gum - White Stringybark	4	187.1
	Cypress black - Narrowleaved Ironbark and Grey Gum - White Stringybark Total	4	187.1
Goonoo SF	Cypress black - Narrowleaved Ironbark and Mugga Ironbark	1	30.7
	Cypress black - Narrowleaved Ironbark and Mugga Ironbark Total	1	30.7
Durridgere SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	2	21.6
	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	2	21.6
Beni SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Box	1	15.2
Trinkey SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Box	1	348.8
Yarindury SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Box	2	28.6
	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Box Total	4	392.6
Beni SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Dwyers Red Gum	1	3.8
Breelong/Eura/LincolnSF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Dwyers Red Gum	1	5.9
	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Dwyers Red Gum Total	2	9.7
Durridgere SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Red Stringybark	2	20.6
Goonoo SF	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Red Stringybark	1	21.1
	Cypress black - Narrowleaved Ironbark and Narrowleaved Ironbark - Red Stringybark Total	3	41.7
Durridgere SF	Cypress black - Narrowleaved Ironbark and Red Stringybark	1	22.1
Goonoo SF	Cypress black - Narrowleaved Ironbark and Red Stringybark	18	474.5

Pilliga NR	Cypress black - Narrowleaved Ironbark and Red Stringybark	1	31.7
	Cypress black - Narrowleaved Ironbark and Red Stringybark Total	20	528.3
Durridgere SF	Cypress black - Narrowleaved Ironbark and Scribbly Gum	3	144.5
	Cypress black - Narrowleaved Ironbark and Scribbly Gum Total	3	144.5
Pilliga NR	Cypress black - Narrowleaved Ironbark and Scribbly Gum - Brown Bloodwood	1	22.4
	Cypress black - Narrowleaved Ironbark and Scribbly Gum - Brown Bloodwood Total	1	22.4
Durridgere SF	Cypress black - Narrowleaved Ironbark and Scribbly Gum - Roughbarked Apple	2	48.3
	Cypress black - Narrowleaved Ironbark and Scribbly Gum - Roughbarked Apple Total	2	48.3
Yearinan West	Cypress black - Narrowleaved Ironbark and White Box	1	6.0
	Cypress black - Narrowleaved Ironbark and White Box Total	1	6.0
Biddon SF	Cypress black - Red Gum	1	16.6
Yalcogrin SF	Cypress black - Red Gum	3	44.5
	Cypress black - Red Gum Total	4	61.0
Durridgere SF	Cypress Black - Red Ironbark	15	207.9
Pilliga NR	Cypress Black - Red Ironbark	57	1271.1
Trinkey SF	Cypress Black - Red Ironbark	2	173.6
	Cypress Black - Red Ironbark Total	74	1652.6
Pilliga NR	Cypress Black - Red Ironbark - Brown Bloodwood	27	1618.7
Trinkey SF	Cypress Black - Red Ironbark - Brown Bloodwood	17	1518.3
	Cypress Black - Red Ironbark - Brown Bloodwood Total	44	3137.0
Pilliga NR	Cypress Black - Red Ironbark - Brown Bloodwood - Dwyers Red Gum	28	642.6
	Cypress Black - Red Ironbark - Brown Bloodwood - Dwyers Red Gum Total	28	642.6
Trinkey SF	Cypress Black - Red Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	35.2
	Cypress Black - Red Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	35.2
Curryal SF	Cypress Black - Red Ironbark and Spotted Gum - White Stringybark	1	14.1
	Cypress Black - Red Ironbark and Spotted Gum - White Stringybark Total	1	14.1
Yearinan West	Cypress black - Roughbarked Apple	3	20.0
	Cypress black - Roughbarked Apple Total	3	20.0
Pilliga NR	Cypress black - Roughbarked Apple and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	18.8
	Cypress black - Roughbarked Apple and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	18.8
Pilliga NR	Cypress black - Roughbarked Apple and Brown Bloodwood - Red Stringybark	1	40.4
Tinkrameanah SF	Cypress black - Roughbarked Apple and Brown Bloodwood - Red Stringybark	1	17.3
	Cypress black - Roughbarked Apple and Brown Bloodwood - Red Stringybark Total	2	57.7
Pilliga NR	Cypress black - Roughbarked Apple and Narrowleaved Ironbark - Brown Bloodwood	2	34.9
	Cypress black - Roughbarked Apple and Narrowleaved Ironbark - Brown Bloodwood Total	2	34.9
Pilliga NR	Cypress black - Roughbarked Apple and Yellow Box	1	5.6
	Cypress black - Roughbarked Apple and Yellow Box Total	1	5.6
Durridgere SF	Cypress black - Western Grey Box	4	82.5
	Cypress black - Western Grey Box Total	4	82.5
Yarindury SF	Cypress black - Western Grey Box and Cypress black - Mugga Ironbark	2	49.4
	Cypress black - Western Grey Box and Cypress black - Mugga Ironbark Total	2	49.4
Durridgere SF	Cypress black - Western Grey Box and Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	2	6.2
	Cypress black - Western Grey Box and Cypress black - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	2	6.2

Yarindury SF	Cypress black - Western Grey Box and Cypress black - Red Gum	1	4.3
	Cypress black - Western Grey Box and Cypress black - Red Gum Total	1	4.3
Trinkey SF	Cypress black -(Blakelys Red Gum / Baradine Red Gum - sparse)	1	8.9
	Cypress black -(Blakelys Red Gum / Baradine Red Gum - sparse) Total	1	8.9
Pilliga NR	Cypress black -(Brown Bloodwood - sparse)	1	29.7
	Cypress black -(Brown Bloodwood - sparse) Total	1	29.7
Trinkey SF	Cypress black -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine RedGum - sparse)	2	131.6
	Cypress black -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine RedGum - sparse) Total	2	131.6
Garrawilla SF	Cypress black -(Narrowleaved Ironbark - Brown Bloodwood - sparse)	1	8.5
Tinkrameanah SF	Cypress black -(Narrowleaved Ironbark - Brown Bloodwood - sparse)	1	7.0
	Cypress black -(Narrowleaved Ironbark - Brown Bloodwood - sparse) Total	2	15.5
Durridgere SF	Cypress black -(Narrowleaved Ironbark - sparse)	1	16.2
Wondoba SF	Cypress black -(Narrowleaved Ironbark - sparse)	4	146.1
Yearinan West	Cypress black -(Narrowleaved Ironbark - sparse)	1	3.1
	Cypress black -(Narrowleaved Ironbark - sparse) Total	6	165.4
Goonoo SF	Cypress black and Beyers Ironbark - Dwyers Red Gum	5	491.6
	Cypress black and Beyers Ironbark - Dwyers Red Gum Total	5	491.6
Pilliga NR	Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	5.6
	Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	5.6
Garrawilla SF	Cypress black and Brown Bloodwood - Dwyers Red Gum	2	48.6
Pilliga NR	Cypress black and Brown Bloodwood - Dwyers Red Gum	3	37.8
Tinkrameanah SF	Cypress black and Brown Bloodwood - Dwyers Red Gum	2	27.5
	Cypress black and Brown Bloodwood - Dwyers Red Gum Total	7	113.9
Pilliga NR	Cypress black and Brown Bloodwood - Red Stringybark	1	4.2
Tinkrameanah SF	Cypress black and Brown Bloodwood - Red Stringybark	1	2.7
	Cypress black and Brown Bloodwood - Red Stringybark Total	2	6.9
Pilliga NR	Cypress black and Cypress black - Blakelys Red Gum - Roughbarked Apple	1	7.8
	Cypress black and Cypress black - Blakelys Red Gum - Roughbarked Apple Total	1	7.8
Pilliga NR	Cypress black and Cypress black - Brown Bloodwood	1	6.2
	Cypress black and Cypress black - Brown Bloodwood Total	1	6.2
Durridgere SF	Cypress black and Grey Gum - White Stringybark	2	21.0
	Cypress black and Grey Gum - White Stringybark Total	2	21.0
Goonoo SF	Cypress black and Mugga Ironbark	1	2.7
	Cypress black and Mugga Ironbark Total	1	2.7
Durridgere SF	Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	19.9
	Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	19.9
Durridgere SF	Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	11.0
Yarindury SF	Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	5.6
	Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	3	16.6
Pilliga NR	Cypress black and Narrowleaved Ironbark - Brown Bloodwood	4	66.2
	Cypress black and Narrowleaved Ironbark - Brown Bloodwood Total	4	66.2
Goonoo SF	Cypress black and Narrowleaved Ironbark - Western Grey Box	1	44.4
	Cypress black and Narrowleaved Ironbark - Western Grey Box Total	1	44.4

Tinkrameanah SF	Cypress black and Red Ironbark	1	1.8
	Cypress black and Red Ironbark Total	1	1.8
Pilliga NR	Cypress black and Red Ironbark - Brown Bloodwood	3	108.9
Tinkrameanah SF	Cypress black and Red Ironbark - Brown Bloodwood	1	34.7
	Cypress black and Red Ironbark - Brown Bloodwood Total	4	143.6
Trinkey SF	Cypress black and Red Ironbark - Brown Bloodwood - Dwyers Red Gum	1	211.6
	Cypress black and Red Ironbark - Brown Bloodwood - Dwyers Red Gum Total	1	211.6
Pilliga NR	Cypress black and Red Stringybark	1	9.4
	Cypress black and Red Stringybark Total	1	9.4
Pilliga NR	Cypress black and Scribbly Gum - Brown Bloodwood	9	138.7
	Cypress black and Scribbly Gum - Brown Bloodwood Total	9	138.7
Pilliga NR	Cypress black and Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark	4	39.1
	Cypress black and Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark Total	4	39.1
Durridgere SF	Cypress black and Scribbly Gum - Roughbarked Apple	2	29.5
	Cypress black and Scribbly Gum - Roughbarked Apple Total	2	29.5
Curryal SF	Cypress black and Spotted Gum - Narrowleaved Ironbark	2	2.9
	Cypress black and Spotted Gum - Narrowleaved Ironbark Total	2	2.9
Curryal SF	Cypress black and Spotted Gum - White Stringybark	1	3.8
	Cypress black and Spotted Gum - White Stringybark Total	1	3.8
Goonoo SF	Cypress Black -Beyers Ironbark - Dwyers Red Gum	49	1196.5
	Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	49	1196.5
Goonoo SF	Cypress Black -Beyers Ironbark - Dwyers Red Gum and Red Stringybark	1	10.0
	Cypress Black -Beyers Ironbark - Dwyers Red Gum and Red Stringybark Total	1	10.0
Breelong/Eura/LincolnSF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	3	25.9
Cobbora SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	25	1161.9
Goonoo SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	87	5820.7
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum Total	115	7008.5
Breelong/Eura/LincolnSF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum	1	46.1
Goonoo SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum	4	392.0
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum Total	5	438.1
Goonoo SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Cypress black - Narrowleaved Ironbark	4	82.8
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Cypress black - Narrowleaved Ironbark Total	4	82.8
Goonoo SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum	13	1187.8
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	13	1187.8
Cobbora SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Narrowleaved Ironbark	1	1.9
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Narrowleaved Ironbark Total	1	1.9
Goonoo SF	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Red Stringybark	10	226.2
	Cypress Black -Blueleaved Ironbark - Dwyers Red Gum and Red Stringybark Total	10	226.2
Biddon SF	Cypress white	6	64.2
Black Jack SF	Cypress white	2	6.9
Goonoo SF	Cypress white	1	27.9
Goran SF	Cypress white	4	105.1
Kelvin SF	Cypress white	2	76.6

Spring Ridge SF	Cypress white	3	129.4
Trinkey SF	Cypress white	5	47.4
Vickery SF	Cypress white	2	41.8
Waubebunga SF	Cypress white	1	9.3
	Cypress white Total	26	508.6
Waubebunga SF	Cypress white - Bimble Box	1	3.9
	Cypress white - Bimble Box Total	1	3.9
Yarindury SF	Cypress white - Blakelys Red Gum	1	2.2
	Cypress white - Blakelys Red Gum Total	1	2.2
Waubebunga SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - Pilliga Box	1	9.2
	Cypress white - Blakelys Red Gum / Baradine Red Gum - Pilliga Box Total	1	9.2
Pilliga NR	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	7	570.3
Trinkey SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	17.9
	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	8	588.2
Pilliga NR	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark	1	28.5
	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark Total	1	28.5
Pilliga NR	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress black - Narrowleaved Ironbark	1	81.8
	Cypress white - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Cypress black - Narrowleaved Ironbark Total	1	81.8
Goran SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	2	23.4
Pilliga NR	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	1	23.3
Trinkey SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	1	32.6
Vickery SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	1	27.5
Wondoba SF	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	1	5.9
	Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box Total	6	112.8
Breelong/Eura/LincolnSF	Cypress white - Blueleaved Ironbark	1	21.1
	Cypress white - Blueleaved Ironbark Total	1	21.1
Biddon SF	Cypress white - Blueleaved Ironbark and Red Stringybark	1	32.6
	Cypress white - Blueleaved Ironbark and Red Stringybark Total	1	32.6
Balladoran SF	Cypress white - Box	1	17.6
	Cypress white - Box Total	1	17.6
Yarindury SF	Cypress white - Box and Cypress black - Red Gum	1	50.9
	Cypress white - Box and Cypress black - Red Gum Total	1	50.9
Biddon SF	Cypress white - Box and Cypress white - Narrowleaved Ironbark	3	292.2
	Cypress white - Box and Cypress white - Narrowleaved Ironbark Total	3	292.2
Spring Ridge SF	Cypress white - Box and Red Gum	1	1.7
	Cypress white - Box and Red Gum Total	1	1.7
Spring Ridge SF	Cypress white - Brown Bloodwood	1	5.3
	Cypress white - Brown Bloodwood Total	1	5.3
Spring Ridge SF	Cypress white - Brown Bloodwood and Brown Bloodwood - Dwyers Red Gum	1	15.9
	Cypress white - Brown Bloodwood and Brown Bloodwood - Dwyers Red Gum Total	1	15.9
Spring Ridge SF	Cypress white - Brown Bloodwood and Tumbledown Red Gum	1	9.6
	Cypress white - Brown Bloodwood and Tumbledown Red Gum Total	1	9.6
Garrawilla SF	Cypress white - Cypress black and (Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple)	1	4.0

	Cypress white - Cypress black and (Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple) Total	1	4.0
Garrawilla SF	Cypress white - Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	33.6
Pilliga NR	Cypress white - Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	50.2
Yearinan West	Cypress white - Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	2.7
	Cypress white - Cypress black and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	5	86.4
Goonoo SF	Cypress white - Cypress black and Blueleaved Ironbark	1	116.6
	Cypress white - Cypress black and Blueleaved Ironbark Total	1	116.6
Garrawilla SF	Cypress white - Cypress black and Brown Bloodwood - Dwyers Red Gum	1	26.6
	Cypress white - Cypress black and Brown Bloodwood - Dwyers Red Gum Total	1	26.6
Pilliga NR	Cypress white - Cypress black and Cypress black - (Roughbarked Apple - sparse)	1	6.9
	Cypress white - Cypress black and Cypress black - (Roughbarked Apple - sparse) Total	1	6.9
Goonoo SF	Cypress white - Cypress black and Narrowleaved Ironbark	2	143.2
Pilliga NR	Cypress white - Cypress black and Narrowleaved Ironbark	1	13.0
Yearinan West	Cypress white - Cypress black and Narrowleaved Ironbark	1	1.1
	Cypress white - Cypress black and Narrowleaved Ironbark Total	4	157.4
Yearinan West	Cypress white - Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	14.8
	Cypress white - Cypress black and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	14.8
Pilliga NR	Cypress white - Cypress black and Narrowleaved Ironbark - Brown Bloodwood	2	29.4
Yearinan West	Cypress white - Cypress black and Narrowleaved Ironbark - Brown Bloodwood	1	1.7
	Cypress white - Cypress black and Narrowleaved Ironbark - Brown Bloodwood Total	3	31.1
Breelong/Eura/LincolnSF	Cypress white - Fuzzy Box	1	5.7
Trinkey SF	Cypress white - Fuzzy Box	1	35.5
	Cypress white - Fuzzy Box Total	2	41.2
Spring Ridge SF	Cypress white - Fuzzy Box and Blakelys Red Gum	1	1.6
	Cypress white - Fuzzy Box and Blakelys Red Gum Total	1	1.6
Balladoran SF	Cypress white - Narrowleaved Ironbark	4	24.4
Beni SF	Cypress white - Narrowleaved Ironbark	8	391.9
Biddon SF	Cypress white - Narrowleaved Ironbark	17	2243.1
Breelong/Eura/LincolnSF	Cypress white - Narrowleaved Ironbark	32	1145.0
Drillwarrina SF	Cypress white - Narrowleaved Ironbark	6	331.2
Goonoo SF	Cypress white - Narrowleaved Ironbark	10	554.6
Kelvin SF	Cypress white - Narrowleaved Ironbark	10	481.7
Pilliga NR	Cypress white - Narrowleaved Ironbark	8	370.5
Spring Ridge SF	Cypress white - Narrowleaved Ironbark	1	88.4
Trinkey SF	Cypress white - Narrowleaved Ironbark	10	380.8
Vickery SF	Cypress white - Narrowleaved Ironbark	8	661.3
Waubebunga SF	Cypress white - Narrowleaved Ironbark	2	9.9
Wondoba SF	Cypress white - Narrowleaved Ironbark	1	6.0
Yalcogrin SF	Cypress white - Narrowleaved Ironbark	4	615.5
Yarindury SF	Cypress white - Narrowleaved Ironbark	1	2.6
Yearinan West	Cypress white - Narrowleaved Ironbark	3	10.1
	Cypress white - Narrowleaved Ironbark Total	125	7316.9
Breelong/Eura/LincolnSF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	3	5.8
Kelvin SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	60.8

Pilliga NR	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	3	171.1
Trinkey SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	5	248.2
Waubebunga SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	1.1
Yarindury SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	0.7
	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	14	487.8
Trinkey SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	8	566.6
	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood Total	8	566.6
Wondoba SF	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Cypress white - Narrowleaved Ironbark - White Box	1	39.8
	Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Cypress white - Narrowleaved Ironbark - White Box Total	1	39.8
Balladoran SF	Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark	2	65.5
Biddon SF	Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark	3	48.6
Breelong/Eura/LincolnSF	Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark	4	67.3
	Cypress white - Narrowleaved Ironbark - Blueleaved Ironbark Total	9	181.4
Pilliga NR	Cypress white - Narrowleaved Ironbark - Brown Bloodwood	1	13.1
Trinkey SF	Cypress white - Narrowleaved Ironbark - Brown Bloodwood	3	113.9
	Cypress white - Narrowleaved Ironbark - Brown Bloodwood Total	4	127.1
Balladoran SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	2	102.2
Beni SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	4	69.9
Biddon SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	10	273.1
Breelong/Eura/LincolnSF	Cypress white - Narrowleaved Ironbark - Pilliga Box	18	528.0
Drillwarrina SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	5	220.4
Waubebunga SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	2	22.6
Yalcogrin SF	Cypress white - Narrowleaved Ironbark - Pilliga Box	4	52.3
	Cypress white - Narrowleaved Ironbark - Pilliga Box Total	45	1268.5
Pilliga NR	Cypress white - Narrowleaved Ironbark - Roughbarked Apple	1	5.8
Yearinan West	Cypress white - Narrowleaved Ironbark - Roughbarked Apple	1	9.1
	Cypress white - Narrowleaved Ironbark - Roughbarked Apple Total	2	14.9
Black Jack SF	Cypress white - Narrowleaved Ironbark - White Box	3	13.5
Kelvin SF	Cypress white - Narrowleaved Ironbark - White Box	7	410.2
Trinkey SF	Cypress white - Narrowleaved Ironbark - White Box	3	135.2
Vickery SF	Cypress white - Narrowleaved Ironbark - White Box	5	491.9
Wondoba SF	Cypress white - Narrowleaved Ironbark - White Box	6	117.5
Yarindury SF	Cypress white - Narrowleaved Ironbark - White Box	1	4.9
	Cypress white - Narrowleaved Ironbark - White Box Total	25	1173.1
Vickery SF	Cypress white - Narrowleaved Ironbark - White Box and Cypress white -(Silver leaved Ironbark - sparse)	1	43.8
	Cypress white - Narrowleaved Ironbark - White Box and Cypress white -(Silver leaved Ironbark - sparse) Total	1	43.8
Beni SF	Cypress white - Narrowleaved Ironbark - White Box and Western Grey Box (Fuzzy Box)	1	36.3
	Cypress white - Narrowleaved Ironbark - White Box and Western Grey Box (Fuzzy Box) Total	1	36.3
Beni SF	Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	4	256.5
Breelong/Eura/LincolnSF	Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	5	109.0
Mogriguy SF	Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	3	69.0
	Cypress white - Narrowleaved Ironbark (Mugga Ironbark) Total	12	434.4

Wongarbon NR	Cypress white - Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Box	2	30.6
	Cypress white - Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Box Total	2	30.6
Black Jack SF	Cypress white - Narrowleaved Ironbark and Beyers Ironbark	3	79.7
	Cypress white - Narrowleaved Ironbark and Beyers Ironbark Total	3	79.7
Coolbaggie NR	Cypress white - Narrowleaved Ironbark and Blakelys Red Gum	1	13.8
	Cypress white - Narrowleaved Ironbark and Blakelys Red Gum Total	1	13.8
Biddon SF	Cypress white - Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark	1	28.6
	Cypress white - Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark Total	1	28.6
Beni SF	Cypress white - Narrowleaved Ironbark and Cypress white - Blakelys Red Gum	1	6.7
	Cypress white - Narrowleaved Ironbark and Cypress white - Blakelys Red Gum Total	1	6.7
Biddon SF	Cypress white - Narrowleaved Ironbark and Cypress white - Red Gum	1	6.2
	Cypress white - Narrowleaved Ironbark and Cypress white - Red Gum Total	1	6.2
Kelvin SF	Cypress white - Narrowleaved Ironbark and Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse)	2	186.6
	Cypress white - Narrowleaved Ironbark and Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse) Total	2	186.6
Kelvin SF	Cypress white - Narrowleaved Ironbark and Dwyers Red Gum	1	575.7
	Cypress white - Narrowleaved Ironbark and Dwyers Red Gum Total	1	575.7
Goonoo SF	Cypress white - Narrowleaved Ironbark and Narrowleaved Ironbark - Western Grey Box	1	41.7
	Cypress white - Narrowleaved Ironbark and Narrowleaved Ironbark - Western Grey Box Total	1	41.7
Goonoo SF	Cypress white - Narrowleaved Ironbark and Western Grey Box (Fuzzy Box)	2	60.6
	Cypress white - Narrowleaved Ironbark and Western Grey Box (Fuzzy Box) Total	2	60.6
Balladoran SF	Cypress white - Pilliga Box	1	20.6
Biddon SF	Cypress white - Pilliga Box	4	51.4
Breelong/Eura/LincolnSF	Cypress white - Pilliga Box	3	73.0
Drillwarrina SF	Cypress white - Pilliga Box	5	268.8
Yalcogrin SF	Cypress white - Pilliga Box	2	80.2
	Cypress white - Pilliga Box Total	15	494.1
Bullawa Creek SF	Cypress white - Pilliga Box and (Tumbledown Red Gum)	1	6.9
	Cypress white - Pilliga Box and (Tumbledown Red Gum) Total	1	6.9
Waubebunga SF	Cypress white - Pilliga Box and Bimble Box	1	4.7
	Cypress white - Pilliga Box and Bimble Box Total	1	4.7
Breelong/Eura/LincolnSF	Cypress white - Pilliga Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	1	34.4
	Cypress white - Pilliga Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark) Total	1	34.4
Biddon SF	Cypress white - Red Gum	2	16.7
Breelong/Eura/LincolnSF	Cypress white - Red Gum	1	6.3
Yalcogrin SF	Cypress white - Red Gum	8	72.1
	Cypress white - Red Gum Total	11	95.1
Gilgandra SF	Cypress white - Red Gum and Pilliga Box (Fuzzy Box)	1	65.8
	Cypress white - Red Gum and Pilliga Box (Fuzzy Box) Total	1	65.8
Pilliga NR	Cypress white - Roughbarked Apple	3	22.1
Yearinan West	Cypress white - Roughbarked Apple	1	3.6
	Cypress white - Roughbarked Apple Total	4	25.7
Pilliga NR	Cypress white - Roughbarked Apple and Cypress Black - Red Ironbark	1	9.9

	Cypress white - Roughbarked Apple and Cypress Black - Red Ironbark Total	1	9.9
Pilliga NR	Cypress white - Roughbarked Apple and Narrowleaved Ironbark	3	27.6
Yearinan West	Cypress white - Roughbarked Apple and Narrowleaved Ironbark	1	1.1
	Cypress white - Roughbarked Apple and Narrowleaved Ironbark Total	4	28.7
Pilliga NR	Cypress white - Roughbarked Apple and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	6.7
	Cypress white - Roughbarked Apple and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	6.7
Pilliga NR	Cypress white - Roughbarked Apple and Narrowleaved Ironbark - Brown Bloodwood	2	15.4
	Cypress white - Roughbarked Apple and Narrowleaved Ironbark - Brown Bloodwood Total	2	15.4
Pilliga NR	Cypress white - Roughbarked Apple and Scribbly Gum - Brown Bloodwood	2	33.4
	Cypress white - Roughbarked Apple and Scribbly Gum - Brown Bloodwood Total	2	33.4
Pilliga NR	Cypress white - Roughbarked Apple and Yellow Box - Blakelys Red Gum / Baradine Red Gum	2	82.9
	Cypress white - Roughbarked Apple and Yellow Box - Blakelys Red Gum / Baradine Red Gum Total	2	82.9
Vickery SF	Cypress white - Silver leaved Ironbark	1	39.8
	Cypress white - Silver leaved Ironbark Total	1	39.8
Bullawa Creek SF	Cypress white - Silver leaved Ironbark and (White Box)	1	41.7
	Cypress white - Silver leaved Ironbark and (White Box) Total	1	41.7
Bullawa Creek SF	Cypress white - Silver leaved Ironbark and Tumbledown Red Gum	1	22.1
	Cypress white - Silver leaved Ironbark and Tumbledown Red Gum Total	1	22.1
Beni SF	Cypress white - Western Grey Box	1	5.1
	Cypress white - Western Grey Box Total	1	5.1
Beni SF	Cypress white - Western Grey Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	2	26.8
Breelong/Eura/LincolnSF	Cypress white - Western Grey Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	1	12.4
Yarindury SF	Cypress white - Western Grey Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark)	3	185.2
	Cypress white - Western Grey Box and Cypress white - Narrowleaved Ironbark (Mugga Ironbark) Total	6	224.4
Beni SF	Cypress white - Western Grey Box and Cypress white - White Box	1	36.4
Spring Ridge SF	Cypress white - Western Grey Box and Cypress white - White Box	2	15.5
Yarindury SF	Cypress white - Western Grey Box and Cypress white - White Box	1	80.9
	Cypress white - Western Grey Box and Cypress white - White Box Total	4	132.8
Spring Ridge SF	Cypress white - Western Grey Box and Cypress white - Yellow Box	1	12.7
	Cypress white - Western Grey Box and Cypress white - Yellow Box Total	1	12.7
Beni SF	Cypress white - White Box	2	8.7
Goran SF	Cypress white - White Box	4	85.8
Kelvin SF	Cypress white - White Box	10	211.2
Pilliga NR	Cypress white - White Box	3	31.9
Spring Ridge SF	Cypress white - White Box	5	102.1
Trinkey SF	Cypress white - White Box	7	255.4
Vickery SF	Cypress white - White Box	4	361.4
Wondoba SF	Cypress white - White Box	6	99.6
Yarindury SF	Cypress white - White Box	4	52.1
	Cypress white - White Box Total	45	1208.4
Bullawa Creek SF	Cypress white - White Box and (Bimble Box)	1	6.3
	Cypress white - White Box and (Bimble Box) Total	1	6.3
Garrawilla SF	Cypress white - White Box and Blakelys Red Gum	1	11.3

	Cypress white - White Box and Blakelys Red Gum Total	1	11.3
Spring Ridge SF	Cypress white - White Box and Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	1	39.2
	Cypress white - White Box and Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood Total	1	39.2
Garrawilla SF	Cypress white - White Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	23.3
Trinkey SF	Cypress white - White Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	28.6
	Cypress white - White Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	2	52.0
Trinkey SF	Cypress white - White Box and Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	120.8
	Cypress white - White Box and Cypress white - Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	120.8
Kelvin SF	Cypress white - White Box and Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse)	1	28.8
	Cypress white - White Box and Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse) Total	1	28.8
Trinkey SF	Cypress white - White Box and Cypress white -(Narrowleaved Ironbark - sparse)	1	68.3
	Cypress white - White Box and Cypress white -(Narrowleaved Ironbark - sparse) Total	1	68.3
Bullawa Creek SF	Cypress white - White Box and Silver leaved Ironbark	1	7.5
	Cypress white - White Box and Silver leaved Ironbark Total	1	7.5
Spring Ridge SF	Cypress white - Yellow Box and Blakelys Red Gum	1	51.7
	Cypress white - Yellow Box and Blakelys Red Gum Total	1	51.7
Wondoba SF	Cypress white - Yellow Box and Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box	3	142.0
	Cypress white - Yellow Box and Cypress white - Blakelys Red Gum / Baradine Red Gum - White Box Total	3	142.0
Pilliga NR	Cypress white -(Mugga Ironbark - sparse)	1	8.5
	Cypress white -(Mugga Ironbark - sparse) Total	1	8.5
Trinkey SF	Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse)	1	511.6
	Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse) Total	1	511.6
Trinkey SF	Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse) and Western Grey Box	1	25.3
	Cypress white -(Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - sparse) and Western Grey Box Total	1	25.3
Balladoran SF	Cypress white -(Narrowleaved Ironbark - Pilliga Box - sparse)	2	11.7
Drillwarrina SF	Cypress white -(Narrowleaved Ironbark - Pilliga Box - sparse)	1	108.3
	Cypress white -(Narrowleaved Ironbark - Pilliga Box - sparse) Total	3	119.9
Balladoran SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	52.1
Biddon SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	11.6
Drillwarrina SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	33.7
Kelvin SF	Cypress white -(Narrowleaved Ironbark - sparse)	3	122.4
Spring Ridge SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	90.0
Trinkey SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	414.2
Vickery SF	Cypress white -(Narrowleaved Ironbark - sparse)	2	80.7
Waubebunga SF	Cypress white -(Narrowleaved Ironbark - sparse)	1	14.7
	Cypress white -(Narrowleaved Ironbark - sparse) Total	11	819.4
Black Jack SF	Cypress white -(Narrowleaved Ironbark - White Box - sparse)	2	15.1
Trinkey SF	Cypress white -(Narrowleaved Ironbark - White Box - sparse)	1	10.2
Vickery SF	Cypress white -(Narrowleaved Ironbark - White Box - sparse)	1	9.8
	Cypress white -(Narrowleaved Ironbark - White Box - sparse) Total	4	35.0
Drillwarrina SF	Cypress white -(Pilliga Box - sparse)	1	22.7
	Cypress white -(Pilliga Box - sparse) Total	1	22.7
Balladoran SF	Cypress white -(Red Gum - sparse)	1	21.6

Drillwarrina SF	Cypress white -(Red Gum - sparse)	1	5.9
Gilgandra SF	Cypress white -(Red Gum - sparse)	1	145.9
	Cypress white -(Red Gum - sparse) Total	3	173.4
Bullawa Creek SF	Cypress white -(Silver leaved Ironbark - sparse)	2	5.4
	Cypress white -(Silver leaved Ironbark - sparse) Total	2	5.4
Trinkey SF	Cypress white -(Western Grey Box - sparse)	1	2.8
	Cypress white -(Western Grey Box - sparse) Total	1	2.8
Spring Ridge SF	Cypress white -(Western Grey Box - sparse) and Cypress white -(White Box - sparse)	1	106.8
	Cypress white -(Western Grey Box - sparse) and Cypress white -(White Box - sparse) Total	1	106.8
Goran SF	Cypress white -(White Box - sparse)	3	208.5
Spring Ridge SF	Cypress white -(White Box - sparse)	4	265.7
Trinkey SF	Cypress white -(White Box - sparse)	3	137.7
Wondoba SF	Cypress white -(White Box - sparse)	5	170.9
	Cypress white -(White Box - sparse) Total	15	782.8
Kelvin SF	Cypress white -(White Box - sparse) and Cypress white - Narrowleaved Ironbark	1	78.7
	Cypress white -(White Box - sparse) and Cypress white - Narrowleaved Ironbark Total	1	78.7
Goran SF	Cypress white -(White Box - sparse) and Cypress white -(Blakelys Red Gum / Baradine Red Gum - White Box - sparse)	1	33.4
	Cypress white -(White Box - sparse) and Cypress white -(Blakelys Red Gum / Baradine Red Gum - White Box - sparse) Total	1	33.4
Goran SF	Cypress white -(Yellow Box - sparse)	1	22.6
	Cypress white -(Yellow Box - sparse) Total	1	22.6
Waubebunga SF	Cypress white and Blakelys Red Gum	3	11.0
	Cypress white and Blakelys Red Gum Total	3	11.0
Goonoo SF	Cypress white and Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	2	14.4
	Cypress white and Cypress Black -Blueleaved Ironbark - Dwyers Red Gum Total	2	14.4
Breelong/Eura/LincolnSF	Cypress white and Narrowleaved Ironbark - Box	1	25.1
	Cypress white and Narrowleaved Ironbark - Box Total	1	25.1
Gilgandra SF	Cypress white and Pilliga Box (Fuzzy Box)	2	48.1
	Cypress white and Pilliga Box (Fuzzy Box) Total	2	48.1
Yearinan West	Cypress white and Yellow Box - Blakelys Red Gum / Baradine Red Gum	1	0.5
	Cypress white and Yellow Box - Blakelys Red Gum / Baradine Red Gum Total	1	0.5
Mogriguy SF	Dwyers Red Gum	1	3.7
Pilliga NR	Dwyers Red Gum	1	9.9
	Dwyers Red Gum Total	2	13.6
Cobbora SF	Dwyers Red Gum and Blueleaved Ironbark	2	81.0
	Dwyers Red Gum and Blueleaved Ironbark Total	2	81.0
Goonoo SF	Dwyers Red Gum and Cypress black	1	4.6
	Dwyers Red Gum and Cypress black Total	1	4.6
Cobbora SF	Dwyers Red Gum and Red Stringybark	2	39.9
	Dwyers Red Gum and Red Stringybark Total	2	39.9
Breelong/Eura/LincolnSF	Fuzzy Box	1	0.5
Goonoo SF	Fuzzy Box	1	13.6
Trinkey SF	Fuzzy Box	1	32.1
	Fuzzy Box Total	3	46.2

Biddon SF	Green Mallee	3	13.7
Breelong/Eura/LincolnSF	Green Mallee	17	107.6
Coolbaggie NR	Green Mallee	1	4.1
Goonoo SF	Green Mallee	22	181.3
Mogriguy SF	Green Mallee	2	7.1
Yalcogrin SF	Green Mallee	1	0.6
	Green Mallee Total	46	314.5
Goonoo SF	Green Mallee and White Mallee	7	272.0
	Green Mallee and White Mallee Total	7	272.0
Durridgere SF	Grey Gum - White Stringybark	23	807.2
	Grey Gum - White Stringybark Total	23	807.2
Goonoo SF	Mallee	2	73.0
	Mallee Total	2	73.0
Breelong/Eura/LincolnSF	Mugga Ironbark	4	82.0
Goonoo SF	Mugga Ironbark	2	58.0
	Mugga Ironbark Total	6	139.9
Goonoo SF	Mugga Ironbark - Western Grey Box	1	44.5
	Mugga Ironbark - Western Grey Box Total	1	44.5
Goonoo SF	Mugga Ironbark - Western Grey Box and Cypress black - Narrowleaved Ironbark	4	66.9
	Mugga Ironbark - Western Grey Box and Cypress black - Narrowleaved Ironbark Total	4	66.9
Goonoo SF	Mugga Ironbark - Western Grey Box and Narrowleaved Ironbark	1	24.7
	Mugga Ironbark - Western Grey Box and Narrowleaved Ironbark Total	1	24.7
Goonoo SF	Mugga Ironbark and Narrowleaved Ironbark	2	27.3
	Mugga Ironbark and Narrowleaved Ironbark Total	2	27.3
Pilliga NR	Mugga Ironbark and Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple	1	19.2
	Mugga Ironbark and Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple Total	1	19.2
Goonoo SF	Mugga Ironbark and Narrowleaved Ironbark - Red Stringybark	1	63.0
	Mugga Ironbark and Narrowleaved Ironbark - Red Stringybark Total	1	63.0
Goonoo SF	Mugga Ironbark and White Mallee	1	6.3
	Mugga Ironbark and White Mallee Total	1	6.3
Biddon SF	Narrowleaved Ironbark	1	17.3
Breelong/Eura/LincolnSF	Narrowleaved Ironbark	25	1036.6
Coolbaggie NR	Narrowleaved Ironbark	6	235.4
Curryal SF	Narrowleaved Ironbark	1	4.9
Durridgere SF	Narrowleaved Ironbark	33	281.9
Goonoo SF	Narrowleaved Ironbark	122	13636.7
Kelvin SF	Narrowleaved Ironbark	1	31.0
Mogriguy SF	Narrowleaved Ironbark	2	97.6
Pilliga NR	Narrowleaved Ironbark	17	307.4
Trinkey SF	Narrowleaved Ironbark	9	1035.8
Vickery SF	Narrowleaved Ironbark	1	25.3
	Narrowleaved Ironbark Total	218	16709.9
Pilliga NR	Narrowleaved Ironbark - Baradine Red Gum	1	23.4
	Narrowleaved Ironbark - Baradine Red Gum Total	1	23.4

Pilliga NR	Narrowleaved Ironbark - Baradine Red Gum - Red Stringybark	3	93.1
	Narrowleaved Ironbark - Baradine Red Gum - Red Stringybark Total	3	93.1
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple	4	406.5
	Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple Total	4	406.5
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple and Baradine Red Gum	3	402.8
	Narrowleaved Ironbark - Blakelys Red Gum - Smoothbarked Apple and Baradine Red Gum Total	3	402.8
Cobbora SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	2	63.8
Durridgere SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	8	91.5
Garrawilla SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	4.7
Goonoo SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	8	373.7
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	12	455.4
Trinkey SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	3	285.8
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	34	1274.9
Breelong/Eura/LincolnSF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	1	6.4
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	8	416.6
Trinkey SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood	2	116.6
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood Total	11	539.7
Durridgere SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum	1	29.9
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum Total	1	29.9
Durridgere SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum - Red Stringybark	1	13.0
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Blakelys Red Gum - Red Stringybark Total	1	13.0
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Roughbarked Apple	2	124.3
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Brown Bloodwood and Roughbarked Apple Total	2	124.3
Biddon SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	80.4
Durridgere SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	5	139.7
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	6	307.2
Trinkey SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	56.1
Yearinan West	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	3.9
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	16	587.3
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum	1	78.8
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum Total	1	78.8
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark	6	801.4
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Baradine Red Gum - Red Stringybark Total	6	801.4
Goonoo SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Fuzzy Box	1	103.1
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Fuzzy Box Total	1	103.1
Durridgere SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum	1	6.5
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple and Scribbly Gum Total	1	6.5
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum	1	21.8
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum Total	1	21.8
Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum - Red Stringybark	3	339.6
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Baradine Red Gum - Red Stringybark Total	3	339.6

Pilliga NR	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Red Ironbark - Brown Bloodwood	1	53.1
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Red Ironbark - Brown Bloodwood Total	1	53.1
Goonoo SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Roughbarked Apple	1	41.1
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Roughbarked Apple Total	1	41.1
Black Jack SF	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Tumbledown Red Gum	1	8.9
	Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum and Tumbledown Red Gum Total	1	8.9
Balladoran SF	Narrowleaved Ironbark - Box	1	6.6
Beni SF	Narrowleaved Ironbark - Box	1	1.5
Breelong/Eura/LincolnSF	Narrowleaved Ironbark - Box	1	6.6
Trinkey SF	Narrowleaved Ironbark - Box	2	93.6
Vickery SF	Narrowleaved Ironbark - Box	1	26.5
	Narrowleaved Ironbark - Box Total	6	134.8
Breelong/Eura/LincolnSF	Narrowleaved Ironbark - Box and Blakelys Red Gum	2	23.3
	Narrowleaved Ironbark - Box and Blakelys Red Gum Total	2	23.3
Trinkey SF	Narrowleaved Ironbark - Box and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	135.2
	Narrowleaved Ironbark - Box and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	135.2
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood	4	34.8
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood	23	571.9
Tinkrameanah SF	Narrowleaved Ironbark - Brown Bloodwood	3	27.8
Trinkey SF	Narrowleaved Ironbark - Brown Bloodwood	3	99.5
	Narrowleaved Ironbark - Brown Bloodwood Total	33	734.0
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple	7	51.9
	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple Total	7	51.9
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Narrowleaved Stringybark	1	6.1
	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Narrowleaved Stringybark Total	1	6.1
Yearinan West	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Red Stringybark	1	1.6
	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Red Stringybark Total	1	1.6
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Scribbly Gum	3	70.8
	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Scribbly Gum Total	3	70.8
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Stringybark	2	37.1
	Narrowleaved Ironbark - Brown Bloodwood - Roughbarked Apple and Stringybark Total	2	37.1
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and (Cypress black)	1	35.0
	Narrowleaved Ironbark - Brown Bloodwood and (Cypress black) Total	1	35.0
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and (Red Ironbark)	1	26.6
	Narrowleaved Ironbark - Brown Bloodwood and (Red Ironbark) Total	1	26.6
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark)	1	238.7
Tinkrameanah SF	Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark)	2	91.2
	Narrowleaved Ironbark - Brown Bloodwood and (Red Stringybark) Total	3	329.9
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and (Roughbarked Apple)	1	14.4
	Narrowleaved Ironbark - Brown Bloodwood and (Roughbarked Apple) Total	1	14.4
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Baradine Red Gum - Red Stringybark	1	115.9
	Narrowleaved Ironbark - Brown Bloodwood and Baradine Red Gum - Red Stringybark Total	1	115.9
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	2	49.7

	Narrowleaved Ironbark - Brown Bloodwood and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	2	49.7
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Cypress black - Roughbarked Apple	1	20.0
	Narrowleaved Ironbark - Brown Bloodwood and Cypress black - Roughbarked Apple Total	1	20.0
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Cypress white - Cypress black	1	11.8
	Narrowleaved Ironbark - Brown Bloodwood and Cypress white - Cypress black	1	11.8
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and Dwyers Red Gum	1	25.3
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Dwyers Red Gum	4	180.5
Tinkrameanah SF	Narrowleaved Ironbark - Brown Bloodwood and Dwyers Red Gum	2	38.7
	Narrowleaved Ironbark - Brown Bloodwood and Dwyers Red Gum Total	7	244.5
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	2	23.9
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	2	12.4
Tinkrameanah SF	Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark	1	12.3
	Narrowleaved Ironbark - Brown Bloodwood and Red Ironbark Total	5	48.6
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark	2	32.6
	Narrowleaved Ironbark - Brown Bloodwood and Red Stringybark Total	2	32.6
Garrawilla SF	Narrowleaved Ironbark - Brown Bloodwood and Roughbarked Apple	1	20.4
	Narrowleaved Ironbark - Brown Bloodwood and Roughbarked Apple Total	1	20.4
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Scribbly Gum	9	313.9
	Narrowleaved Ironbark - Brown Bloodwood and Scribbly Gum Total	9	313.9
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and Stringybark	3	79.8
	Narrowleaved Ironbark - Brown Bloodwood and Stringybark Total	3	79.8
Pilliga NR	Narrowleaved Ironbark - Brown Bloodwood and White Box	2	8.2
	Narrowleaved Ironbark - Brown Bloodwood and White Box Total	2	8.2
Coolbaggie NR	Narrowleaved Ironbark - Fuzzy Box and Red Stringybark	1	14.1
	Narrowleaved Ironbark - Fuzzy Box and Red Stringybark Total	1	14.1
Coolbaggie NR	Narrowleaved Ironbark - Fuzzy Box and Roughbarked Apple	2	11.4
	Narrowleaved Ironbark - Fuzzy Box and Roughbarked Apple Total	2	11.4
Breelong/Eura/LincolnSF	Narrowleaved Ironbark - Pilliga Box	15	342.4
	Narrowleaved Ironbark - Pilliga Box Total	15	342.4
Drillwarrina SF	Narrowleaved Ironbark - Red Gum and Cypress white - Cypress black	1	6.4
	Narrowleaved Ironbark - Red Gum and Cypress white - Cypress black Total	1	6.4
Cobbora SF	Narrowleaved Ironbark - Red Stringybark	2	11.5
Coolbaggie NR	Narrowleaved Ironbark - Red Stringybark	2	41.5
Curryal SF	Narrowleaved Ironbark - Red Stringybark	1	1.7
Durridgere SF	Narrowleaved Ironbark - Red Stringybark	10	333.6
Goonoo SF	Narrowleaved Ironbark - Red Stringybark	3	49.0
	Narrowleaved Ironbark - Red Stringybark Total	18	437.2
Coolbaggie NR	Narrowleaved Ironbark - Red Stringybark and Beyers Ironbark - Dwyers Red Gum	1	26.7
	Narrowleaved Ironbark - Red Stringybark and Beyers Ironbark - Dwyers Red Gum Total	1	26.7
Goonoo SF	Narrowleaved Ironbark - Red Stringybark and Cypress black	3	112.7
	Narrowleaved Ironbark - Red Stringybark and Cypress black Total	3	112.7
Cobbora SF	Narrowleaved Ironbark - Red Stringybark and Cypress Black -Blueleaved Ironbark - Dwyers Red Gum	2	55.1
	Narrowleaved Ironbark - Red Stringybark and Cypress Black -Blueleaved Ironbark - Dwyers Red Gum Total	2	55.1

Durridgere SF	Narrowleaved Ironbark - Red Stringybark and Red Stringybark	1	6.7
	Narrowleaved Ironbark - Red Stringybark and Red Stringybark Total	1	6.7
Curryal SF	Narrowleaved Ironbark - Red Stringybark and Roughbarked Apple	2	19.7
	Narrowleaved Ironbark - Red Stringybark and Roughbarked Apple Total	2	19.7
Pilliga NR	Narrowleaved Ironbark - Red Stringybark and Scribbly Gum - Brown Bloodwood	1	13.7
	Narrowleaved Ironbark - Red Stringybark and Scribbly Gum - Brown Bloodwood Total	1	13.7
Pilliga NR	Narrowleaved Ironbark - Smoothbarked Apple	2	33.4
	Narrowleaved Ironbark - Smoothbarked Apple Total	2	33.4
Pilliga NR	Narrowleaved Ironbark - Smoothbarked Apple and Baradine Red Gum	1	37.4
	Narrowleaved Ironbark - Smoothbarked Apple and Baradine Red Gum Total	1	37.4
Cobbora SF	Narrowleaved Ironbark - Western Grey Box	2	27.5
Coolbaggie NR	Narrowleaved Ironbark - Western Grey Box	2	10.1
Goonoo SF	Narrowleaved Ironbark - Western Grey Box	32	923.5
Trinkey SF	Narrowleaved Ironbark - Western Grey Box	1	177.2
	Narrowleaved Ironbark - Western Grey Box Total	37	1138.4
Cobbora SF	Narrowleaved Ironbark - Western Grey Box and Blakelys Red Gum	3	37.5
	Narrowleaved Ironbark - Western Grey Box and Blakelys Red Gum Total	3	37.5
Goonoo SF	Narrowleaved Ironbark - Western Grey Box and Cypress black	1	31.2
	Narrowleaved Ironbark - Western Grey Box and Cypress black Total	1	31.2
Goonoo SF	Narrowleaved Ironbark - Western Grey Box and Cypress white - Cypress black	1	13.2
	Narrowleaved Ironbark - Western Grey Box and Cypress white - Cypress black Total	1	13.2
Goonoo SF	Narrowleaved Ironbark - Western Grey Box and Mugga Ironbark	2	96.0
	Narrowleaved Ironbark - Western Grey Box and Mugga Ironbark Total	2	96.0
Goonoo SF	Narrowleaved Ironbark - Western Grey Box and Mugga Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	56.4
	Narrowleaved Ironbark - Western Grey Box and Mugga Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	56.4
Beni SF	Narrowleaved Ironbark - Western Grey Box and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	1.6
	Narrowleaved Ironbark - Western Grey Box and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	1.6
Durridgere SF	Narrowleaved Ironbark - Western Grey Box and Roughbarked Apple	1	6.2
	Narrowleaved Ironbark - Western Grey Box and Roughbarked Apple Total	1	6.2
Wondoba SF	Narrowleaved Ironbark - White Box	1	22.5
	Narrowleaved Ironbark - White Box Total	1	22.5
Trinkey SF	Narrowleaved Ironbark - White Box and Narrowleaved Ironbark - Western Grey Box	1	19.3
	Narrowleaved Ironbark - White Box and Narrowleaved Ironbark - Western Grey Box Total	1	19.3
Breelong/Eura/LincolnSF	Narrowleaved Ironbark (Mugga Ironbark)	14	223.5
Durridgere SF	Narrowleaved Ironbark (Mugga Ironbark)	3	48.5
Goonoo SF	Narrowleaved Ironbark (Mugga Ironbark)	9	447.2
Mogriguy SF	Narrowleaved Ironbark (Mugga Ironbark)	2	5.8
Wongarbon NR	Narrowleaved Ironbark (Mugga Ironbark)	2	21.6
	Narrowleaved Ironbark (Mugga Ironbark) Total	30	746.6
Goonoo SF	Narrowleaved Ironbark (Mugga Ironbark) and Blakelys Red Gum / Baradine Red Gum - Pilliga Box	1	104.1
	Narrowleaved Ironbark (Mugga Ironbark) and Blakelys Red Gum / Baradine Red Gum - Pilliga Box Total	1	104.1
Breelong/Eura/LincolnSF	Narrowleaved Ironbark (Mugga Ironbark) and Blueleaved Ironbark - Dwyers Red Gum	2	42.6

	Narrowleaved Ironbark (Mugga Ironbark) and Blueleaved Ironbark - Dwyers Red Gum Total	2	42.6
Coolbaggie NR	Narrowleaved Ironbark (Mugga Ironbark) and Green Mallee	1	15.0
	Narrowleaved Ironbark (Mugga Ironbark) and Green Mallee Total	1	15.0
Goonoo SF	Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum	1	182.4
	Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum Total	1	182.4
Wongarbon NR	Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Box	1	7.7
	Narrowleaved Ironbark (Mugga Ironbark) and Narrowleaved Ironbark - Box Total	1	7.7
Breelong/Eura/LincolnSF	Narrowleaved Ironbark (Mugga Ironbark) and Pilliga Box	1	9.2
	Narrowleaved Ironbark (Mugga Ironbark) and Pilliga Box Total	1	9.2
Durridgere SF	Narrowleaved Ironbark (Mugga Ironbark) and Red Ironbark	1	11.6
	Narrowleaved Ironbark (Mugga Ironbark) and Red Ironbark Total	1	11.6
Goonoo SF	Narrowleaved Ironbark (Mugga Ironbark) and Red Stringybark	38	993.9
	Narrowleaved Ironbark (Mugga Ironbark) and Red Stringybark Total	38	993.9
Durridgere SF	Narrowleaved Ironbark (Mugga Ironbark) and Roughbarked Apple	1	3.9
Goonoo SF	Narrowleaved Ironbark (Mugga Ironbark) and Roughbarked Apple	1	2.6
	Narrowleaved Ironbark (Mugga Ironbark) and Roughbarked Apple Total	2	6.5
Mogriguy SF	Narrowleaved Ironbark (Mugga Ironbark) and Western Grey Box	1	12.1
	Narrowleaved Ironbark (Mugga Ironbark) and Western Grey Box Total	1	12.1
Goonoo SF	Narrowleaved Ironbark and Blakelys Red Gum	2	105.3
	Narrowleaved Ironbark and Blakelys Red Gum Total	2	105.3
Durridgere SF	Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	4.2
	Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	4.2
Goonoo SF	Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box)	2	114.9
	Narrowleaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) Total	2	114.9
Cobbora SF	Narrowleaved Ironbark and Blueleaved Ironbark	5	104.2
Goonoo SF	Narrowleaved Ironbark and Blueleaved Ironbark	7	328.9
	Narrowleaved Ironbark and Blueleaved Ironbark Total	12	433.1
Garrawilla SF	Narrowleaved Ironbark and Brown Bloodwood - Dwyers Red Gum	1	32.9
	Narrowleaved Ironbark and Brown Bloodwood - Dwyers Red Gum Total	1	32.9
Goonoo SF	Narrowleaved Ironbark and Cypress black	1	41.1
	Narrowleaved Ironbark and Cypress black Total	1	41.1
Goonoo SF	Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark	4	243.7
	Narrowleaved Ironbark and Cypress black - Blueleaved Ironbark Total	4	243.7
Goonoo SF	Narrowleaved Ironbark and Cypress white - Cypress black	1	48.9
	Narrowleaved Ironbark and Cypress white - Cypress black Total	1	48.9
Pilliga NR	Narrowleaved Ironbark and Dwyers Red Gum	2	28.3
	Narrowleaved Ironbark and Dwyers Red Gum Total	2	28.3
Goonoo SF	Narrowleaved Ironbark and Green Mallee	1	2.6
	Narrowleaved Ironbark and Green Mallee Total	1	2.6
Goonoo SF	Narrowleaved Ironbark and Mugga Ironbark	2	112.0
	Narrowleaved Ironbark and Mugga Ironbark Total	2	112.0
Beni SF	Narrowleaved Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	14.3
	Narrowleaved Ironbark and Narrowleaved Ironbark - Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	14.3

Durridgere SF	Narrowleaved Ironbark and Red Ironbark	4	26.7
	Narrowleaved Ironbark and Red Ironbark Total	4	26.7
Pilliga NR	Narrowleaved Ironbark and Red Ironbark - Brown Bloodwood	2	24.5
	Narrowleaved Ironbark and Red Ironbark - Brown Bloodwood Total	2	24.5
Goonoo SF	Narrowleaved Ironbark and Red Stringybark	2	44.0
	Narrowleaved Ironbark and Red Stringybark Total	2	44.0
Curryal SF	Narrowleaved Ironbark and Roughbarked Apple	2	6.2
Durridgere SF	Narrowleaved Ironbark and Roughbarked Apple	6	40.3
	Narrowleaved Ironbark and Roughbarked Apple Total	8	46.5
Durridgere SF	Narrowleaved Ironbark and Scribbly Gum	1	4.8
	Narrowleaved Ironbark and Scribbly Gum Total	1	4.8
Durridgere SF	Narrowleaved Ironbark and Scribbly Gum - Roughbarked Apple	1	12.1
	Narrowleaved Ironbark and Scribbly Gum - Roughbarked Apple Total	1	12.1
Pilliga NR	Narrowleaved Ironbark and White Box	1	4.2
	Narrowleaved Ironbark and White Box Total	1	4.2
Biddon SF	Non eucalypt (see RSEX)	3	17.7
Breelong/Eura/LincolnSF	Non eucalypt (see RSEX)	1	1.8
Brigalow Park NR	Non eucalypt (see RSEX)	4	192.7
Claremont NR	Non eucalypt (see RSEX)	4	199.3
Cobbora SF	Non eucalypt (see RSEX)	7	163.1
Coolbaggie NR	Non eucalypt (see RSEX)	1	2.8
Drillwarrina SF	Non eucalypt (see RSEX)	1	5.9
Durridgere SF	Non eucalypt (see RSEX)	3	18.2
Garrawilla SF	Non eucalypt (see RSEX)	5	33.3
Goonoo SF	Non eucalypt (see RSEX)	11	127.8
Goran SF	Non eucalypt (see RSEX)	1	6.5
Pilliga NR	Non eucalypt (see RSEX)	6	47.6
Trinkey SF	Non eucalypt (see RSEX)	2	93.8
Wondoba SF	Non eucalypt (see RSEX)	1	3.1
Yalcogrin SF	Non eucalypt (see RSEX)	2	9.3
Yarindury SF	Non eucalypt (see RSEX)	1	3.3
	Non eucalypt (see RSEX) Total	53	926.2
Breelong/Eura/LincolnSF	Pilliga Box	10	220.7
Brigalow Park NR	Pilliga Box	1	0.9
Claremont NR	Pilliga Box	2	3.5
Goonoo SF	Pilliga Box	2	40.1
	Pilliga Box Total	15	265.2
Brigalow Park NR	Pilliga Box - Bimble Box	1	1.3
	Pilliga Box - Bimble Box Total	1	1.3
Biddon SF	Pilliga Box (Fuzzy Box)	1	4.1
Drillwarrina SF	Pilliga Box (Fuzzy Box)	2	37.7
	Pilliga Box (Fuzzy Box) Total	3	41.9
Durridgere SF	Red Ironbark	15	122.5
Pilliga NR	Red Ironbark	114	7063.4

Tinkrameanah SF	Red Ironbark	1	5.5
Trinkey SF	Red Ironbark	3	177.9
	Red Ironbark Total	133	7369.2
Garrawilla SF	Red Ironbark - Brown Bloodwood	2	23.1
Pilliga NR	Red Ironbark - Brown Bloodwood	55	2552.4
Tinkrameanah SF	Red Ironbark - Brown Bloodwood	2	19.4
Trinkey SF	Red Ironbark - Brown Bloodwood	8	396.2
	Red Ironbark - Brown Bloodwood Total	67	2991.1
Pilliga NR	Red Ironbark - Brown Bloodwood - Dwyers Red Gum	74	5950.6
Trinkey SF	Red Ironbark - Brown Bloodwood - Dwyers Red Gum	3	51.2
	Red Ironbark - Brown Bloodwood - Dwyers Red Gum Total	77	6001.7
Pilliga NR	Red Ironbark - Brown Bloodwood - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood	4	460.9
	Red Ironbark - Brown Bloodwood - Dwyers Red Gum and Beyers Ironbark - Dwyers Red Gum - Brown Bloodwood Total	4	460.9
Pilliga NR	Red Ironbark - Brown Bloodwood - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum	1	130.0
	Red Ironbark - Brown Bloodwood - Dwyers Red Gum and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	1	130.0
Pilliga NR	Red Ironbark - Brown Bloodwood and (Cypress Black - Red Ironbark - Brown Bloodwood)	1	35.7
	Red Ironbark - Brown Bloodwood and (Cypress Black - Red Ironbark - Brown Bloodwood) Total	1	35.7
Pilliga NR	Red Ironbark - Brown Bloodwood and Blakelys Red Gum	1	61.7
	Red Ironbark - Brown Bloodwood and Blakelys Red Gum Total	1	61.7
Pilliga NR	Red Ironbark - Brown Bloodwood and Cypress white - Cypress black	2	94.5
	Red Ironbark - Brown Bloodwood and Cypress white - Cypress black Total	2	94.5
Trinkey SF	Red Ironbark - Brown Bloodwood and Narrowleaved Ironbark	1	48.1
	Red Ironbark - Brown Bloodwood and Narrowleaved Ironbark Total	1	48.1
Garrawilla SF	Red Ironbark - Brown Bloodwood and Stringybark	1	22.1
Pilliga NR	Red Ironbark - Brown Bloodwood and Stringybark	1	28.2
	Red Ironbark - Brown Bloodwood and Stringybark Total	2	50.2
Pilliga NR	Red Ironbark and (Baradine Red Gum)	1	21.6
	Red Ironbark and (Baradine Red Gum) Total	1	21.6
Pilliga NR	Red Ironbark and (Red Ironbark - Brown Bloodwood)	3	1098.1
	Red Ironbark and (Red Ironbark - Brown Bloodwood) Total	3	1098.1
Pilliga NR	Red Ironbark and Baradine Red Gum - Red Stringybark	2	82.8
	Red Ironbark and Baradine Red Gum - Red Stringybark Total	2	82.8
Pilliga NR	Red Ironbark and Cypress white	1	9.8
	Red Ironbark and Cypress white Total	1	9.8
Goonoo SF	Red Stringybark and Beyers Ironbark - Dwyers Red Gum	3	55.1
	Red Stringybark and Beyers Ironbark - Dwyers Red Gum Total	3	55.1
Goonoo SF	Red Stringybark and Cypress Black -Beyers Ironbark - Dwyers Red Gum	4	66.8
	Red Stringybark and Cypress Black -Beyers Ironbark - Dwyers Red Gum Total	4	66.8
Cobbora SF	Red Stringybark and Dwyers Red Gum	1	5.0
	Red Stringybark and Dwyers Red Gum Total	1	5.0
Durridgere SF	Red Stringybark and Grey Gum - White Stringybark	2	12.6
	Red Stringybark and Grey Gum - White Stringybark Total	2	12.6
Durridgere SF	Red Stringybark and Red Ironbark - Dwyers Red Gum	1	8.9

	Red Stringybark and Red Ironbark - Dwyers Red Gum Total	1	8.9
Breelong/Eura/LincolnSF	River Red Gum	1	11.7
	River Red Gum Total	1	11.7
Curryal SF	Roughbarked Apple	2	12.7
Durridgere SF	Roughbarked Apple	7	59.0
Pilliga NR	Roughbarked Apple	6	131.3
	Roughbarked Apple Total	15	203.0
Pilliga NR	Roughbarked Apple and (Cypress white - Cypress black)	1	29.6
	Roughbarked Apple and (Cypress white - Cypress black) Total	1	29.6
Pilliga NR	Roughbarked Apple and Brown Bloodwood - Red Stringybark	1	7.3
	Roughbarked Apple and Brown Bloodwood - Red Stringybark Total	1	7.3
Durridgere SF	Roughbarked Apple and Grey Gum - White Stringybark	4	43.5
	Roughbarked Apple and Grey Gum - White Stringybark Total	4	43.5
Pilliga NR	Roughbarked Apple and Red Ironbark - Brown Bloodwood	2	8.1
	Roughbarked Apple and Red Ironbark - Brown Bloodwood Total	2	8.1
Durridgere SF	Roughbarked Apple and Red Stringybark	1	1.7
Tinkrameanah SF	Roughbarked Apple and Red Stringybark	1	3.0
	Roughbarked Apple and Red Stringybark Total	2	4.8
Durridgere SF	Scribbly Gum	7	30.7
Pilliga NR	Scribbly Gum	10	206.7
	Scribbly Gum Total	17	237.4
Durridgere SF	Scribbly Gum - Brown Bloodwood	1	4.3
Pilliga NR	Scribbly Gum - Brown Bloodwood	5	68.7
	Scribbly Gum - Brown Bloodwood Total	6	73.0
Pilliga NR	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark	9	314.2
	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark Total	9	314.2
Pilliga NR	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	44.1
	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	44.1
Pilliga NR	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Red Stringybark	2	39.5
	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Red Stringybark Total	2	39.5
Pilliga NR	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Stringybark	2	52.4
	Scribbly Gum - Brown Bloodwood - Beyers Ironbark / Narrow - leaved Ironbark and Stringybark Total	2	52.4
Durridgere SF	Scribbly Gum - Roughbarked Apple	4	42.7
	Scribbly Gum - Roughbarked Apple Total	4	42.7
Pilliga NR	Scribbly Gum and Blakelys Red Gum	1	10.3
	Scribbly Gum and Blakelys Red Gum Total	1	10.3
Pilliga NR	Scribbly Gum and Cypress black - Narrowleaved Ironbark - Brown Bloodwood	1	25.7
	Scribbly Gum and Cypress black - Narrowleaved Ironbark - Brown Bloodwood Total	1	25.7
Pilliga NR	Scribbly Gum and Narrowleaved Ironbark (Mugga Ironbark)	1	22.2
	Scribbly Gum and Narrowleaved Ironbark (Mugga Ironbark) Total	1	22.2
Pilliga NR	Scribbly Gum and Stringybark	1	10.4

	Scribbly Gum and Stringybark Total	1	10.4
Pilliga NR	Smoothbarked Apple	2	5.5
	Smoothbarked Apple Total	2	5.5
Pilliga NR	Smoothbarked Apple and Baradine Red Gum	4	79.9
	Smoothbarked Apple and Baradine Red Gum Total	4	79.9
Curryal SF	Spotted Gum	1	2.5
	Spotted Gum Total	1	2.5
Curryal SF	Spotted Gum - Narrowleaved Ironbark	3	3.5
	Spotted Gum - Narrowleaved Ironbark Total	3	3.5
Curryal SF	Spotted Gum - White Stringybark	2	50.0
	Spotted Gum - White Stringybark Total	2	50.0
Curryal SF	Spotted Gum - White Stringybark and Dwyers Red Gum	1	4.9
	Spotted Gum - White Stringybark and Dwyers Red Gum Total	1	4.9
Spring Ridge SF	Tumbledown Red Gum and Brown Bloodwood	1	16.2
	Tumbledown Red Gum and Brown Bloodwood Total	1	16.2
Pilliga NR	Tumbledown Red Gum and Roughbarked Apple	1	18.8
	Tumbledown Red Gum and Roughbarked Apple Total	1	18.8
Pilliga NR	Uninterpretable	4	196.2
	Uninterpretable Total	4	196.2
Coolbaggie NR	Western Grey Box	1	7.1
Durridgere SF	Western Grey Box	1	15.4
Goonoo SF	Western Grey Box	5	82.1
Mogriguy SF	Western Grey Box	1	12.0
Trinkey SF	Western Grey Box	6	214.6
	Western Grey Box Total	14	331.2
Cobbora SF	Western Grey Box (Fuzzy Box)	2	33.2
Coolbaggie NR	Western Grey Box (Fuzzy Box)	1	55.6
Goonoo SF	Western Grey Box (Fuzzy Box)	9	118.8
Trinkey SF	Western Grey Box (Fuzzy Box)	2	32.4
	Western Grey Box (Fuzzy Box) Total	14	240.1
Goonoo SF	Western Grey Box (Fuzzy Box) and Narrowleaved Ironbark	1	68.1
	Western Grey Box (Fuzzy Box) and Narrowleaved Ironbark Total	1	68.1
Goonoo SF	Western Grey Box and Cypress black - Narrowleaved Ironbark	1	4.7
	Western Grey Box and Cypress black - Narrowleaved Ironbark Total	1	4.7
Beni SF	White Box	1	5.7
Black Jack SF	White Box	1	67.0
Bullawa Creek SF	White Box	1	0.8
Garrawilla SF	White Box	1	1.1
Goran SF	White Box	1	9.2
Pilliga NR	White Box	4	29.9
Tinkrameanah SF	White Box	1	3.2
Vickery SF	White Box	2	110.7
Wondoba SF	White Box	3	235.3
Yarindury SF	White Box	2	27.8

Yearinan West	White Box	1	3.2
	White Box Total	18	493.9
Spring Ridge SF	White Box and Blakelys Red Gum	1	11.8
	White Box and Blakelys Red Gum Total	1	11.8
Pilliga NR	White Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	3	20.8
	White Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	3	20.8
Wongarbon NR	White Box and Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box)	1	4.9
	White Box and Blakelys Red Gum / Baradine Red Gum - Western Grey Box (Fuzzy Box) Total	1	4.9
Trinkey SF	White Box and Cypress Black - Red Ironbark - Brown Bloodwood	1	35.0
	White Box and Cypress Black - Red Ironbark - Brown Bloodwood Total	1	35.0
Pilliga NR	White Box and Cypress white - Cypress black	2	16.2
	White Box and Cypress white - Cypress black Total	2	16.2
Wondoba SF	White Box and Tumbledown Red Gum	1	6.7
	White Box and Tumbledown Red Gum Total	1	6.7
Pilliga NR	White Box and Yellow Box - Blakelys Red Gum / Baradine Red Gum	2	11.6
Wondoba SF	White Box and Yellow Box - Blakelys Red Gum / Baradine Red Gum	1	3.1
	White Box and Yellow Box - Blakelys Red Gum / Baradine Red Gum Total	3	14.7
Goonoo SF	White Mallee	1	0.7
	White Mallee Total	1	0.7
Curryal SF	White Stringybark	1	1.7
	White Stringybark Total	1	1.7
Pilliga NR	Yellow Box	5	41.0
	Yellow Box Total	5	41.0
Goonoo SF	Yellow Box - Blakelys Red Gum / Baradine Red Gum	1	4.1
Yearinan West	Yellow Box - Blakelys Red Gum / Baradine Red Gum	1	43.0
	Yellow Box - Blakelys Red Gum / Baradine Red Gum Total	2	47.0
Pilliga NR	Yellow Box - Blakelys Red Gum / Baradine Red Gum and Roughbarked Apple	1	12.5
	Yellow Box - Blakelys Red Gum / Baradine Red Gum and Roughbarked Apple Total	1	12.5
Cobbora SF	Yellow Box - Blakelys Red Gum / Baradine Red Gum and Western Grey Box	2	44.3
	Yellow Box - Blakelys Red Gum / Baradine Red Gum and Western Grey Box Total	2	44.3
Yearinan West	Yellow Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple	1	14.3
	Yellow Box and Blakelys Red Gum / Baradine Red Gum - Roughbarked Apple Total	1	14.3
Tinkrameanah SF	Yellow Box and Roughbarked Apple	1	3.6
	Yellow Box and Roughbarked Apple Total	1	3.6
	Total		148848.2

492 unique vegetation types

Tenure	Special Features (RSEX) description	Count	Area (ha)
Pilliga NR	Acacia cheelii	4	170.50
	Acacia cheelii Total	4	170.50
Pilliga NR	Acacia cheelii and Pomaderis lanigera	4	7.47
	Acacia cheelii and Pomaderis lanigera Total	4	7.47

Curryal SF	Acacia doratoxylon	2	20.86
Durridgere SF	Acacia doratoxylon	2	33.57
	Acacia doratoxylon Total	4	54.44
Pilliga NR	Acacia pilligaensis - Allocasuarina sp.	50	1255.78
	Acacia pilligaensis - Allocasuarina sp. Total	50	1255.78
Goonoo SF	Allocasuarina / Casuarina	4	175.57
Trinkey SF	Allocasuarina / Casuarina	1	28.33
	Allocasuarina / Casuarina Total	5	203.90
Breelong/Eura/LincolnSF	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)	2	26.42
Cobbora SF	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)	17	1335.53
Coolbaggie NR	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)	3	117.92
Goonoo SF	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)	282	14568.67
Mogriguy SF	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona)	2	22.05
	Allocasuarina diminuta / Allocasuarina gymnanthera (Acacia triptera) (Calytrix tetragona) Total	306	16070.59
Goonoo SF	Allocasuarina gymnanthera	2	185.19
Trinkey SF	Allocasuarina gymnanthera	1	54.53
	Allocasuarina gymnanthera Total	3	239.73
Curryal SF	Banksia	1	3.85
Durridgere SF	Banksia	1	4.29
	Banksia Total	2	8.14
Brigalow NR	Brigalow	6	165.27
Claremont NR	Brigalow	4	184.67
	Brigalow Total	10	349.94
Brigalow NR	Brigalow and Belah	3	31.22
Claremont NR	Brigalow and Belah	3	19.35
	Brigalow and Belah Total	6	50.58
Biddon SF	Broombush Melaleuca uncinata (Calytrix tetragona)	7	72.35
Breelong/Eura/LincolnSF	Broombush Melaleuca uncinata (Calytrix tetragona)	19	288.50
Coolbaggie NR	Broombush Melaleuca uncinata (Calytrix tetragona)	1	11.11
Drillwarrina SF	Broombush Melaleuca uncinata (Calytrix tetragona)	1	5.87
Goonoo SF	Broombush Melaleuca uncinata (Calytrix tetragona)	46	1196.48
Mogriguy SF	Broombush Melaleuca uncinata (Calytrix tetragona)	2	7.43
Yalcogrin SF	Broombush Melaleuca uncinata (Calytrix tetragona)	1	4.88
	Broombush Melaleuca uncinata (Calytrix tetragona) Total	77	1586.61
Beni SF	Bull Oak	4	104.75
Biddon SF	Bull Oak	13	795.46
Breelong/Eura/LincolnSF	Bull Oak	52	1959.66
Drillwarrina SF	Bull Oak	2	277.94
Goonoo SF	Bull Oak	44	6152.32
Mogriguy SF	Bull Oak	1	40.97
Pilliga NR	Bull Oak	30	1340.08
Spring Ridge SF	Bull Oak	2	161.16
Trinkey SF	Bull Oak	44	4657.84
Waubebunga SF	Bull Oak	6	52.17

Wongarbon NR	Bull Oak	3	29.27
Yalcogrin SF	Bull Oak	3	128.39
Yarindury SF	Bull Oak	1	116.83
	Bull Oak Total	205	15816.84
Goonoo SF	Fringe-myrtle (Broombush) Calytrix tetragona	7	289.73
	Fringe-myrtle (Broombush) Calytrix tetragona Total	7	289.73
Biddon SF	Gramminoid complex	4	135.99
Black Jack SF	Gramminoid complex	2	71.03
Bullawa Creek SF	Gramminoid complex	1	0.81
Cobbora SF	Gramminoid complex	35	967.38
Coolbaggie NR	Gramminoid complex	4	76.98
Goonoo SF	Gramminoid complex	16	910.33
Goran SF	Gramminoid complex	16	486.22
Kelvin SF	Gramminoid complex	36	2138.22
Lower Dandry	Gramminoid complex	3	28.72
Spring Ridge SF	Gramminoid complex	15	610.05
Trinkey SF	Gramminoid complex	43	2566.23
Vickery SF	Gramminoid complex	28	1904.38
Waubebunga SF	Gramminoid complex	3	18.62
Wondoba SF	Gramminoid complex	32	1591.22
Yaminba	Gramminoid complex	17	467.27
Yarindury SF	Gramminoid complex	3	50.81
Yearinan West	Gramminoid complex	2	46.21
	Gramminoid complex Total	260	12070.45
Coolbaggie NR	Heath / scrub complex	5	79.00
Goonoo SF	Heath / scrub complex	9	348.76
Lower Dandry	Heath / scrub complex	3	62.72
	Heath / scrub complex Total	17	490.47
Pilliga NR	Pomaderis lanigera	28	134.08
	Pomaderis lanigera Total	28	134.08
Black Jack SF	Wattle / native pioneers	5	97.03
Breelong/Eura/LincolnSF	Wattle / native pioneers	1	0.84
Cobbora SF	Wattle / native pioneers	5	41.02
Garrawilla	Wattle / native pioneers	12	100.25
Lower Dandry	Wattle / native pioneers	21	556.11
Pilliga NR	Wattle / native pioneers	1	55.61
Spring Ridge SF	Wattle / native pioneers	7	199.67
Trinkey SF	Wattle / native pioneers	2	174.99
Vickery SF	Wattle / native pioneers	1	16.13
Waubebunga SF	Wattle / native pioneers	1	17.97
Wondoba SF	Wattle / native pioneers	1	13.25
	Wattle / native pioneers Total	57	1272.87
Biddon SF	Exclusions	1	2.65
Cobbora SF	Exclusions	5	156.13

Coolbaggie NR	Exclusions	1	2.84
Durridgere SF	Exclusions	3	18.22
Goonoo SF	Exclusions	1	11.62
Goran SF	Exclusions	1	6.51
Wondoba SF	Exclusions	1	3.12
Yalcogrin SF	Exclusions	1	4.38
Yaminba	Exclusions	6	47.56
Yarindury SF	Exclusions	1	3.30
	Exclusions Total	21	256.33
Gilgandra SF	Not Recorded	4	259.77
Goonoo SF	Not Recorded	578	40391.43
Goran SF	Not Recorded	1	8.06
Kelvin SF	Not Recorded	3	125.55
Lower Dandry	Not Recorded	66	1197.49
Mogriguy SF	Not Recorded	16	328.43
Pilliga NR	Not Recorded	475	27580.75
Spring Ridge SF	Not Recorded	6	43.18
Tinkrameanah SF	Not Recorded	52	974.15
Trinkey SF	Not Recorded	68	2751.43
Ukerbarley	Not Recorded	96	2805.73
Vickery SF	Not Recorded	1	19.59
Waubebunga SF	Not Recorded	4	15.73
Wondoba SF	Not Recorded	9	66.33
Wongarbon NR	Not Recorded	5	67.78
Yalcogrin SF	Not Recorded	23	787.72
Yaminba	Not Recorded	75	1668.20
Yearinan East	Not Recorded	97	2019.62
Yearinan West	Not Recorded	32	210.44
	Not Recorded Total	1632	81577.71
	Grand Total	3378	148848.20

APPENDIX 19. VEGETATION TYPES OF EXISTING MAPPING WITHIN STATE FORESTS AND NATIONAL PARKS AND WILDLIFE SERVICE ESTATE IN THE BIOREGION

Forest	Type Description (State Forests digital data)	Count	Area (ha)
Goonoo SF	(Batemans Bay Area)	2	80.52
	(Batemans Bay Area) Total	2	80.52
Pilliga SF	(Lindsay Types)	20	1380.91
	(Lindsay Types) Total	20	1380.91
Pilliga SF	? - Forest Oak - White Cypress Pine + (Narrowleaf Ironbark - Forest Oa< - White Cypress Pine) (Lindsay Types)	1	393.52
	? - Forest Oak - White Cypress Pine + (Narrowleaf Ironbark - Forest Oak - White Cypress Pine) (Lindsay Types) Total	1	393.52
Pilliga SF	? (Lindsay Types)	3	47.68
	? (Lindsay Types) Total	3	47.68
Mission SF	Belah (Lindsay Types)	2	22.24
Moema SF	Belah (Lindsay Types)	2	60.89
Pilliga SF	Belah (Lindsay Types)	20	559.34
	Belah (Lindsay Types) Total	24	642.47
Mission SF	Bimble Box - Cypress Pine (Western Region)	1	8.49
Pilliga SF	Bimble Box - Cypress Pine (Western Region)	19	1992.09
Terry Hie Hie SF	Bimble Box - Cypress Pine (Western Region)	2	97.9
	Bimble Box - Cypress Pine (Western Region) Total	22	2098.48
Kerringle SF	Bimble Box - White Cypress Pine (Lindsay Types)	1	14.14
Moema SF	Bimble Box - White Cypress Pine (Lindsay Types)	3	164.32
Pilliga SF	Bimble Box - White Cypress Pine (Lindsay Types)	37	3259.4
Terry Hie Hie SF	Bimble Box - White Cypress Pine (Lindsay Types)	1	15.61
	Bimble Box - White Cypress Pine (Lindsay Types) Total	42	3453.47
Culgoora SF	Bimble Box (Lindsay Types)	1	5.03
Moema SF	Bimble Box (Lindsay Types)	1	4.03
Pilliga SF	Bimble Box (Lindsay Types)	4	53.71
	Bimble Box (Lindsay Types) Total	6	62.77
Mogriguy SF	Black Cypress Pine - Ironbark	1	41.82
	Black Cypress Pine - Ironbark Total	1	41.82
Pilliga SF	Black Pine - ? (Lindsay Types)	1	19.81
	Black Pine - ? (Lindsay Types) Total	1	19.81
Pilliga SF	Black Pine - Bloodwood - Broadleaf Ironbark (Lindsay Types)	1	40.33
	Black Pine - Bloodwood - Broadleaf Ironbark (Lindsay Types) Total	1	40.33
Terry Hie Hie SF	Black Pine - Bloodwood - Red Gum (Lindsay Types)	2	78.46
	Black Pine - Bloodwood - Red Gum (Lindsay Types) Total	2	78.46
Pilliga SF	Black Pine - Broadleaf Ironbark - Bloodwood (Lindsay Types)	2	29.44
	Black Pine - Broadleaf Ironbark - Bloodwood (Lindsay Types) Total	2	29.44
Breelong/Eura/LincolnSF	Black Pine - Broadleaf Ironbark (Lindsay Types)	3	202.66
Pilliga SF	Black Pine - Broadleaf Ironbark (Lindsay Types)	7	108.02
Yarindury SF	Black Pine - Broadleaf Ironbark (Lindsay Types)	8	703.9

	Black Pine - Broadleaf Ironbark (Lindsay Types) Total	18	1014.58
Beni SF	Black Pine - Narrowleaf Ironbark (Lindsay Types)	7	460.86
Terry Hie Hie SF	Black Pine - Narrowleaf Ironbark (Lindsay Types)	2	119.03
	Black Pine - Narrowleaf Ironbark (Lindsay Types) Total	9	579.89
Pilliga SF	Black Pine - Red Gum (blakeyi) - Roughbark Apple (Lindsay Types)	1	120.17
	Black Pine - Red Gum (blakeyi) - Roughbark Apple (Lindsay Types) Total	1	120.17
Breelong/Eura/LincolnSF	Black Pine - Red Gum (Lindsay Types)	4	49.68
Pilliga SF	Black Pine - Red Gum (Lindsay Types)	1	35.9
	Black Pine - Red Gum (Lindsay Types) Total	5	85.58
Mission SF	Black Pine - Smoothbark Apple - Red Gum (Lindsay Types)	1	40.42
	Black Pine - Smoothbark Apple - Red Gum (Lindsay Types) Total	1	40.42
Mission SF	Blackbutt (Morriset E.I.S. Area)	1	2.11
	Blackbutt (Morriset E.I.S. Area) Total	1	2.11
Pilliga SF	Bloodwood - Black Pine (Lindsay Types)	4	498.77
	Bloodwood - Black Pine (Lindsay Types) Total	4	498.77
Pilliga SF	Bloodwood - Broadleaf Ironbark - Black Pine	13	3687.61
	Bloodwood - Broadleaf Ironbark - Black Pine Total	13	3687.61
Pilliga SF	Bloodwood - Broadleaf Ironbark (Lindsay Types)	8	759.08
	Bloodwood - Broadleaf Ironbark (Lindsay Types) Total	8	759.08
Pilliga SF	Bloodwood - Broom (Melaleuca uncinata) (Lindsay Types)	10	653.93
	Bloodwood - Broom (Melaleuca uncinata) (Lindsay Types) Total	10	653.93
Garrawilla SF	Bloodwood - Narrowleaf Ironbark - Pine	1	16.7
Pilliga SF	Bloodwood - Narrowleaf Ironbark - Pine	4	103.68
	Bloodwood - Narrowleaf Ironbark - Pine Total	5	120.38
Garrawilla SF	Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types)	1	115.22
Pilliga SF	Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types)	4	85.28
	Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types) Total	5	200.5
Pilliga SF	Bloodwood - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types)	1	125.16
	Bloodwood - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types) Total	1	125.16
Pilliga SF	Bloodwood - Pine - Red Gum (blakeyi)	1	16.09
	Bloodwood - Pine - Red Gum (blakeyi) Total	1	16.09
Pilliga SF	Bloodwood - Red Gum - - White Cypress Pine (Lindsay Types)	1	8.26
	Bloodwood - Red Gum - - White Cypress Pine (Lindsay Types) Total	1	8.26
Garrawilla SF	Bloodwood - Red Gum - Black Pine (Lindsay Types)	2	9.16
Pilliga SF	Bloodwood - Red Gum - Black Pine (Lindsay Types)	3	539.4
Terry Hie Hie SF	Bloodwood - Red Gum - Black Pine (Lindsay Types)	2	38.74
	Bloodwood - Red Gum - Black Pine (Lindsay Types) Total	7	587.3
Pilliga SF	Bloodwood - Red Gum - Narrowleaf Ironbark - Black Pine (Lindsay Types)	1	21.59
	Bloodwood - Red Gum - Narrowleaf Ironbark - Black Pine (Lindsay Types) Total	1	21.59
Pilliga SF	Bloodwood - Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	58	7078.23
	Bloodwood - Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types) Total	58	7078.23
Pilliga SF	Bloodwood - Red Gum - Roughbark Apple (Lindsay Types)	2	22.18
	Bloodwood - Red Gum - Roughbark Apple (Lindsay Types) Total	2	22.18
Pilliga SF	Bloodwood - Red Gum (blakeyi) - Cypress Pine (Lindsay Types)	24	1124.51
Terry Hie Hie SF	Bloodwood - Red Gum (blakeyi) - Cypress Pine (Lindsay Types)	5	161.24

	Bloodwood - Red Gum (blakeyi) - Cypress Pine (Lindsay Types) Total	29	1285.75
Garrawilla SF	Bloodwood - Red Gum (blakeyi) - Narrowleaf Ironbark - Black Pine (Lindsay Types)	1	7.18
	Bloodwood - Red Gum (blakeyi) - Narrowleaf Ironbark - Black Pine (Lindsay Types) Total	1	7.18
Pilliga SF	Bloodwood - Red Gum (Lindsay Types)	27	1477.97
	Bloodwood - Red Gum (Lindsay Types) Total	27	1477.97
Pilliga SF	Box - White Cypress Pine - Red Gum (Lindsay Types)	1	42.33
	Box - White Cypress Pine - Red Gum (Lindsay Types) Total	1	42.33
Terry Hie Hie SF	Brigalow	1	20.52
	Brigalow Total	1	20.52
Pilliga SF	Brigalow (Lindsay Types)	1	29.18
	Brigalow (Lindsay Types) Total	1	29.18
Biddon SF	Broadleaf Ironbark - Black Pine (Lindsay Types)	1	200.72
Breelong/Eura/LincolnSF	Broadleaf Ironbark - Black Pine (Lindsay Types)	5	1034.36
Pilliga SF	Broadleaf Ironbark - Black Pine (Lindsay Types)	4	152.11
	Broadleaf Ironbark - Black Pine (Lindsay Types) Total	10	1387.19
Pilliga SF	Broadleaf Ironbark - Bloodwood - Black Pine (Lindsay Types)	29	8007.11
	Broadleaf Ironbark - Bloodwood - Black Pine (Lindsay Types) Total	29	8007.11
Pilliga SF	Broadleaf Ironbark - Bloodwood - Broom (Lindsay Types)	10	3952.25
	Broadleaf Ironbark - Bloodwood - Broom (Lindsay Types) Total	10	3952.25
Pilliga SF	Broadleaf Ironbark - Bloodwood - White Cypress Pine (Lindsay Types)	10	1202
	Broadleaf Ironbark - Bloodwood - White Cypress Pine (Lindsay Types) Total	10	1202
Pilliga SF	Broadleaf Ironbark - Bloodwood (Lindsay Types)	102	31036.55
Trinkey SF	Broadleaf Ironbark - Bloodwood (Lindsay Types)	3	1843.68
	Broadleaf Ironbark - Bloodwood (Lindsay Types) Total	105	32880.23
Balladoran SF	Broadleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	1	1.86
Breelong/Eura/LincolnSF	Broadleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	5	136.17
Pilliga SF	Broadleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	1	19.38
	Broadleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types) Total	7	157.41
Drillwarrina SF	Broadleaf Ironbark - Red Gum - Cypress Pine (Lindsay Types)	1	3.33
	Broadleaf Ironbark - Red Gum - Cypress Pine (Lindsay Types) Total	1	3.33
Pilliga SF	Broadleaf Ironbark - Red Gum (blakeyi) (Lindsay Types)	3	57.59
	Broadleaf Ironbark - Red Gum (blakeyi) (Lindsay Types) Total	3	57.59
Biddon SF	Broadleaf Ironbark - Red Gum (Lindsay Types)	1	24.42
	Broadleaf Ironbark - Red Gum (Lindsay Types) Total	1	24.42
Breelong/Eura/LincolnSF	Broadleaf Ironbark - White Cypress Pine (Lindsay Types)	2	23.99
Pilliga SF	Broadleaf Ironbark - White Cypress Pine (Lindsay Types)	15	1774.99
	Broadleaf Ironbark - White Cypress Pine (Lindsay Types) Total	17	1798.98
Breelong/Eura/LincolnSF	Broadleaf Ironbark (Lindsay Types)	6	364.92
Pilliga SF	Broadleaf Ironbark (Lindsay Types)	14	767.07
	Broadleaf Ironbark (Lindsay Types) Total	20	1131.99
Pilliga SF	Broom	107	14884.41
	Broom Total	107	14884.41
Pilliga SF	Broom (Melaleuca uncinata) - (Jungle ?) (Lindsay Types)	3	925.06
	Broom (Melaleuca uncinata) - (Jungle ?) (Lindsay Types) Total	3	925.06
Pilliga SF	Broom (Melaleuca uncinata) - (White Box -) (Lindsay Types)	1	96.93

	Broom (Melaleuca uncinata) - (White Box -) (Lindsay Types) Total	1	96.93
Balladoran SF	Broom (Melaleuca uncinata) (Lindsay Types)	1	1.88
Biddon SF	Broom (Melaleuca uncinata) (Lindsay Types)	6	62.48
Breelong/Eura/LincolnSF	Broom (Melaleuca uncinata) (Lindsay Types)	9	167.83
Drillwarrina SF	Broom (Melaleuca uncinata) (Lindsay Types)	1	4.35
Yalcogrin SF	Broom (Melaleuca uncinata) (Lindsay Types)	2	4.68
	Broom (Melaleuca uncinata) (Lindsay Types) Total	19	241.22
Pilliga SF	Broom (Melaleuca uncinata) + Bloodwood (Lindsay Types)	3	66.42
	Broom (Melaleuca uncinata) + Bloodwood (Lindsay Types) Total	3	66.42
Eumungerie SF	Broom + Mallee (Lindsay Types)	1	1.06
	Broom + Mallee (Lindsay Types) Total	1	1.06
Goonoo SF	Broom, Various Species of Acacia and Dwarf Oak, Sifton Bush and Eucalypts: all very stunted (Lindsay Types)	99	3047.01
	Broom, Various Species of Acacia and Dwarf Oak, Sifton Bush and Eucalypts: all very stunted (Lindsay Types) Total	99	3047.01
Culgoora SF	Brown Barrel (incl. Forest Types - 151, 154, 155, & 156) (Eden E.I.S. (1988) Area)	1	2.23
Moema SF	Brown Barrel (incl. Forest Types - 151, 154, 155, & 156) (Eden E.I.S. (1988) Area)	1	5.52
Pilliga SF	Brown Barrel (incl. Forest Types - 151, 154, 155, & 156) (Eden E.I.S. (1988) Area)	4	111.16
	Brown Barrel (incl. Forest Types - 151, 154, 155, & 156) (Eden E.I.S. (1988) Area) Total	6	118.91
Biddon SF	Clear (Narrandera Types. Plotted by Photogrammetry 1998)	2	13.68
Breelong/Eura/LincolnSF	Clear (Narrandera Types. Plotted by Photogrammetry 1998)	8	376.89
Pilliga SF	Clear (Narrandera Types. Plotted by Photogrammetry 1998)	15	1017.49
	Clear (Narrandera Types. Plotted by Photogrammetry 1998) Total	25	1408.06
Goonoo SF	Cleared (Lindsay Types)	1	14.1
Pilliga SF	Cleared (Lindsay Types)	3	201.66
	Cleared (Lindsay Types) Total	4	215.76
Goonoo SF	Country carrying unidentified Cypress Pine: either pure, scattered or very scattered (Lindsay Types)	47	8165
	Country carrying unidentified Cypress Pine: either pure, scattered or very scattered (Lindsay Types) Total	47	8165
Pilliga SF	Cypress Pine - Bloodwood - Narrowleaf Ironbark (Lindsay Types)	1	35.08
	Cypress Pine - Bloodwood - Narrowleaf Ironbark (Lindsay Types) Total	1	35.08
Pilliga SF	Cypress Pine - Bloodwood - Red Gum (blakeyi) - Narrowleaf Ironbark (Lindsay Types)	3	52.17
	Cypress Pine - Bloodwood - Red Gum (blakeyi) - Narrowleaf Ironbark (Lindsay Types) Total	3	52.17
Pilliga SF	Cypress Pine - Forest Oak - Narrowleaf Ironbark (Lindsay Types)	1	8.08
	Cypress Pine - Forest Oak - Narrowleaf Ironbark (Lindsay Types) Total	1	8.08
Garrawilla SF	Cypress Pine - Narrowleaf Ironbark - Bloodwood - Red Gum (blakeyi) (Lindsay Types)	3	207.81
Pilliga SF	Cypress Pine - Narrowleaf Ironbark - Bloodwood - Red Gum (blakeyi) (Lindsay Types)	14	469.13
	Cypress Pine - Narrowleaf Ironbark - Bloodwood - Red Gum (blakeyi) (Lindsay Types) Total	17	676.94
Garrawilla SF	Cypress Pine - Narrowleaf Ironbark - Bloodwood (Lindsay Types)	1	9.58
Pilliga SF	Cypress Pine - Narrowleaf Ironbark - Bloodwood (Lindsay Types)	31	2658.33
	Cypress Pine - Narrowleaf Ironbark - Bloodwood (Lindsay Types) Total	32	2667.91
Pilliga SF	Cypress Pine - Narrowleaf Ironbark - Forest Oak - (Mugga Ironbark) (Lindsay Types)	1	20.32
	Cypress Pine - Narrowleaf Ironbark - Forest Oak - (Mugga Ironbark) (Lindsay Types) Total	1	20.32
Drillwarrina SF	Cypress Pine - Red Gum - Broadleaf Ironbark (Lindsay Types)	1	5.49
	Cypress Pine - Red Gum - Broadleaf Ironbark (Lindsay Types) Total	1	5.49
Pilliga SF	Cypress Pine - Red Gum (blakeyi) - Forest Oak (Lindsay Types)	1	14.11
	Cypress Pine - Red Gum (blakeyi) - Forest Oak (Lindsay Types) Total	1	14.11
Pilliga SF	Cypress Pine - Roughbark Apple - Red Gum (blakeyi) (Lindsay Types)	14	1820.12

	Cypress Pine - Roughbark Apple - Red Gum (blakeyi) (Lindsay Types) Total	14	1820.12
Pilliga SF	Desert Pine - Red Gum - Roughbark Apple (Lindsay Types)	2	143.5
	Desert Pine - Red Gum - Roughbark Apple (Lindsay Types) Total	2	143.5
Moema SF	Evidence of clearing by man (Lindsay Types)	1	41.1
	Evidence of clearing by man (Lindsay Types) Total	1	41.1
Eumungerie SF	Generally White Cypress Pine (Lindsay Types)	1	29.77
	Generally White Cypress Pine (Lindsay Types) Total	1	29.77
Eumungerie SF	Gravel Pit (Lindsay Types)	1	4.09
	Gravel Pit (Lindsay Types) Total	1	4.09
Mogriguy SF	Heath (Coastal Heath, Hinterland Heath, Montane Heath, Lowland Swamps - part, Upland Swamps - part) (Eden E.I.S. (1994) Area)	1	28.31
	Heath (Coastal Heath, Hinterland Heath, Montane Heath, Lowland Swamps - part, Upland Swamps - part) (Eden E.I.S. (1994) Area) Total	1	28.31
Goonoo SF	Heavy undergrowth with concentrations of Black Cypress Pine. Undergrowth species include Broom, various species of Acacia & Dwarf Oak, Sifton Bush & Eucalypts(Lindsay Types)	24	2072.63
	Heavy undergrowth with concentrations of Black Cypress Pine. Undergrowth species include Broom, various species of Acacia & Dwarf Oak, Sifton Bush & Eucalypts(Lindsay Types) Total	24	2072.63
Coolah Tops NP	Improved Pasture and Cropland	7	111.77
Irrigappa SF	Improved Pasture and Cropland	3	13.27
	Improved Pasture and Cropland Total	10	125.04
Leard SF	Ironbark - Western Box	13	1588.78
Mogriguy SF	Ironbark - Western Box	1	198.2
	Ironbark - Western Box Total	14	1786.98
Pilliga SF	Kurrajong - (Lindsay Types)	1	34.06
	Kurrajong - (Lindsay Types) Total	1	34.06
Irrigappa SF	Lantana	1	34.75
	Lantana Total	1	34.75
Mogriguy SF	Mallee	1	13.25
Montrose SF	Mallee	1	27.67
	Mallee Total	2	40.92
Biddon SF	Mallee (Lindsay Types)	1	2.39
Breelong/Eura/LincolnSF	Mallee (Lindsay Types)	10	80.09
Pilliga SF	Mallee (Lindsay Types)	5	104.77
Terry Hie Hie SF	Mallee (Lindsay Types)	9	298.47
	Mallee (Lindsay Types) Total	25	485.72
Pilliga SF	Mallee + Grey Box (Lindsay Types)	1	19.07
	Mallee + Grey Box (Lindsay Types) Total	1	19.07
Breelong/Eura/LincolnSF	Messmate (incl. Forest Types - 150, 151, 152 &156) (Eden E.I.S. (1988) Area)	1	23.2
Pilliga SF	Messmate (incl. Forest Types - 150, 151, 152 &156) (Eden E.I.S. (1988) Area)	2	58.97
Trinkey SF	Messmate (incl. Forest Types - 150, 151, 152 &156) (Eden E.I.S. (1988) Area)	1	19.17
	Messmate (incl. Forest Types - 150, 151, 152 &156) (Eden E.I.S. (1988) Area) Total	4	101.34
Coolah Tops NP	Mountain / Manna Gum	23	1655.06
	Mountain / Manna Gum Total	23	1655.06
Pilliga SF	Mugga Ironbark - Forest Oak - Cypress Pine (Lindsay Types)	3	387.53
	Mugga Ironbark - Forest Oak - Cypress Pine (Lindsay Types) Total	3	387.53
Pilliga SF	Mugga Ironbark - Pine	2	101.41

	Mugga Ironbark - Pine Total	2	101.41
Irrigappa SF	Mugga Ironbark - White Cypress Pine (Lindsay Types)	2	66.85
Pilliga SF	Mugga Ironbark - White Cypress Pine (Lindsay Types)	2	104.87
	Mugga Ironbark - White Cypress Pine (Lindsay Types) Total	4	171.72
Beni SF	Narrowleaf Ironbark - Black pine (Lindsay Types)	5	128.56
Breelong/Eura/LincolnSF	Narrowleaf Ironbark - Black pine (Lindsay Types)	2	33.76
	Narrowleaf Ironbark - Black pine (Lindsay Types) Total	7	162.32
Pilliga SF	Narrowleaf Ironbark - Bloodwood - Cypress Pine - Red Gum (blakeyi) (Lindsay Types)	1	23.24
	Narrowleaf Ironbark - Bloodwood - Cypress Pine - Red Gum (blakeyi) (Lindsay Types) Total	1	23.24
Pilliga SF	Narrowleaf Ironbark - Bloodwood - Cypress Pine (Lindsay Types)	43	2541.13
	Narrowleaf Ironbark - Bloodwood - Cypress Pine (Lindsay Types) Total	43	2541.13
Pilliga SF	Narrowleaf Ironbark - Bloodwood - Red Gum (blakeyi) - Cypress Pine (Lindsay Types)	1	1106.52
	Narrowleaf Ironbark - Bloodwood - Red Gum (blakeyi) - Cypress Pine (Lindsay Types) Total	1	1106.52
Pilliga SF	Narrowleaf Ironbark - Bloodwood - Red Gum (Lindsay Types)	8	183.96
Terry Hie Hie SF	Narrowleaf Ironbark - Bloodwood - Red Gum (Lindsay Types)	3	196.34
	Narrowleaf Ironbark - Bloodwood - Red Gum (Lindsay Types) Total	11	380.3
Pilliga SF	Narrowleaf Ironbark - Bloodwood (Lindsay Types)	35	6150.08
	Narrowleaf Ironbark - Bloodwood (Lindsay Types) Total	35	6150.08
Pilliga SF	Narrowleaf Ironbark - Cypress Pine - Bloodwood - Red Gum (blakeyi) (Lindsay Types)	2	58.84
	Narrowleaf Ironbark - Cypress Pine - Bloodwood - Red Gum (blakeyi) (Lindsay Types) Total	2	58.84
Pilliga SF	Narrowleaf Ironbark - Cypress Pine - Bloodwood (Lindsay Types)	6	1336.6
	Narrowleaf Ironbark - Cypress Pine - Bloodwood (Lindsay Types) Total	6	1336.6
Pilliga SF	Narrowleaf Ironbark - Cypress Pine - Red Gum (blakeyi) (Lindsay Types)	1	21.43
	Narrowleaf Ironbark - Cypress Pine - Red Gum (blakeyi) (Lindsay Types) Total	1	21.43
Beni SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	7	514.39
Irrigappa SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	1	67.18
Mission SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	3	65.25
Pilliga SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	24	2290.89
Terry Hie Hie SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	6	452.48
Yarindury SF	Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	1	5.7
	Narrowleaf Ironbark - Cypress Pine (Lindsay Types) Total	42	3395.89
Breelong/Eura/LincolnSF	Narrowleaf Ironbark - Forest Oak - Black Pine (Lindsay Types)	8	430.51
	Narrowleaf Ironbark - Forest Oak - Black Pine (Lindsay Types) Total	8	430.51
Pilliga SF	Narrowleaf Ironbark - Forest Oak - Cypress Pine - (Mugga Ironbark) (Lindsay Types)	1	143.63
	Narrowleaf Ironbark - Forest Oak - Cypress Pine - (Mugga Ironbark) (Lindsay Types) Total	1	143.63
Balladoran SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	4	36.63
Biddon SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	4	2179.63
Breelong/Eura/LincolnSF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	25	2041.53
Drillwarrina SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	3	343.77
Kerringle SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	11	3553.48
Pilliga SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	372	72603.57
Trinkey SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	6	2972.03
Vickery SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	4	578.3
Yalcogrin SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	4	461.63
Yarindury SF	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types)	4	423.8
	Narrowleaf Ironbark - Forest Oak - White Cypress Pine (Lindsay Types) Total	437	85194.37

Pilliga SF	Narrowleaf Ironbark - Forest Oak (Lindsay Types)	11	726.86
Trinkey SF	Narrowleaf Ironbark - Forest Oak (Lindsay Types)	1	63.92
	Narrowleaf Ironbark - Forest Oak (Lindsay Types) Total	12	790.78
Pilliga SF	Narrowleaf Ironbark - Red Gum - Roughbark Apple (Lindsay Types)	2	57.92
	Narrowleaf Ironbark - Red Gum - Roughbark Apple (Lindsay Types) Total	2	57.92
Pilliga SF	Narrowleaf Ironbark - Red Gum (blakeyi) - Cypress Pine (Lindsay Types)	2	92.74
	Narrowleaf Ironbark - Red Gum (blakeyi) - Cypress Pine (Lindsay Types) Total	2	92.74
Pilliga SF	Narrowleaf Ironbark - Red Gum (blakeyi) (Lindsay Types)	7	481.49
	Narrowleaf Ironbark - Red Gum (blakeyi) (Lindsay Types) Total	7	481.49
Biddon SF	Narrowleaf Ironbark (Lindsay Types)	1	11.92
Breelong/Eura/LincolnSF	Narrowleaf Ironbark (Lindsay Types)	5	755.01
Pilliga SF	Narrowleaf Ironbark (Lindsay Types)	26	2061.01
Yalcogrin SF	Narrowleaf Ironbark (Lindsay Types)	2	13.46
	Narrowleaf Ironbark (Lindsay Types) Total	34	2841.4
Mogriguy SF	Narrowleaved Ironbark - Bull Oak	1	26.14
	Narrowleaved Ironbark - Bull Oak Total	1	26.14
Biddon SF	No Description	1	4.67
Coolah Tops NP	No Description	14	500.33
Deriah SF	No Description	2	2239.69
Garrawilla SF	No Description	9	252.78
Goonoo SF	No Description	1	0
Irrigappa SF	No Description	4	58.82
Killarney SF	No Description	1	5.13
Mission SF	No Description	1	38.49
Pilliga SF	No Description	21	1901.96
Terry Hie Hie SF	No Description	6	317.74
Trinkey SF	No Description	16	2503.83
	No Description Total	76	7823.44
Mission SF	No evidence of clearing by man (Lindsay Types)	1	6.91
Pilliga SF	No evidence of clearing by man (Lindsay Types)	5	134.44
Terry Hie Hie SF	No evidence of clearing by man (Lindsay Types)	2	34.53
	No evidence of clearing by man (Lindsay Types) Total	8	175.88
Breelong/Eura/LincolnSF	Non-Forest Types (incl. Forest Types 216, 220, 223 & 234) (Eden E.I.S. (1988)Area)	5	180.7
Pilliga SF	Non-Forest Types (incl. Forest Types 216, 220, 223 & 234) (Eden E.I.S. (1988)Area)	10	1005.8
	Non-Forest Types (incl. Forest Types 216, 220, 223 & 234) (Eden E.I.S. (1988)Area) Total	15	1186.5
Breelong/Eura/LincolnSF	Non-Production (Central Region)	1	4.45
	Non-Production (Central Region) Total	1	4.45
Breelong/Eura/LincolnSF	Non-Production (Morriset E.I.S. Area)	1	20.92
Pilliga SF	Non-Production (Morriset E.I.S. Area)	8	504.55
	Non-Production (Morriset E.I.S. Area) Total	9	525.47
Cobbora SF	Not State Forest (Do not use - Show as TYP_LUT_ID = 723 and TYPE = 9999)	1	4.46
Goonoo SF	Not State Forest (Do not use - Show as TYP_LUT_ID = 723 and TYPE = 9999)	4	159.5
	Not State Forest (Do not use - Show as TYP_LUT_ID = 723 and TYPE = 9999) Total	5	163.96
Doona SF	Not State Forest (Untyped)	1	3.5
Trinkey SF	Not State Forest (Untyped)	2	208.57
	Not State Forest (Untyped) Total	3	212.07

Beni SF	Not Typed (Lindsay Types)	2	30.9
Biddon SF	Not Typed (Lindsay Types)	1	325.49
Boyben SF	Not Typed (Lindsay Types)	6	2572.19
Cobbora SF	Not Typed (Lindsay Types)	1	3723.84
Curban SF	Not Typed (Lindsay Types)	2	198.29
Dilly SF	Not Typed (Lindsay Types)	1	68.37
Dubbo SF	Not Typed (Lindsay Types)	1	1.86
Goodiman SF	Not Typed (Lindsay Types)	1	569.9
Goonoo SF	Not Typed (Lindsay Types)	5	22511.99
Tuckland SF	Not Typed (Lindsay Types)	3	859.63
Yarrabil SF	Not Typed (Lindsay Types)	3	1784.18
	Not Typed (Lindsay Types) Total	26	32646.64
Irrigappa SF	Open Pine	2	204.94
	Open Pine Total	2	204.94
Pilliga SF	Pilliga Box - Bimble Box (Lindsay Types)	8	278.83
	Pilliga Box - Bimble Box (Lindsay Types) Total	8	278.83
Pilliga SF	Pilliga Box - Red Gum - White Cypress Pine (Lindsay Types)	1	50.78
	Pilliga Box - Red Gum - White Cypress Pine (Lindsay Types) Total	1	50.78
Balladoran SF	Pilliga Box - White Cypress Pine (Lindsay Types)	1	1.71
Biddon SF	Pilliga Box - White Cypress Pine (Lindsay Types)	5	31
Breelong/Eura/LincolnSF	Pilliga Box - White Cypress Pine (Lindsay Types)	4	331.28
Drillwarrina SF	Pilliga Box - White Cypress Pine (Lindsay Types)	8	142.77
Eumungerie SF	Pilliga Box - White Cypress Pine (Lindsay Types)	1	14.08
Kerringle SF	Pilliga Box - White Cypress Pine (Lindsay Types)	3	163.65
Killarney SF	Pilliga Box - White Cypress Pine (Lindsay Types)	1	5.48
Pilliga SF	Pilliga Box - White Cypress Pine (Lindsay Types)	203	16977.86
Terry Hie Hie SF	Pilliga Box - White Cypress Pine (Lindsay Types)	2	51.12
Trinkey SF	Pilliga Box - White Cypress Pine (Lindsay Types)	1	46.23
Yalcogrin SF	Pilliga Box - White Cypress Pine (Lindsay Types)	1	6.43
	Pilliga Box - White Cypress Pine (Lindsay Types) Total	230	17771.61
Breelong/Eura/LincolnSF	Pilliga Box (Lindsay Types)	12	326.15
Pilliga SF	Pilliga Box (Lindsay Types)	11	200.5
Trinkey SF	Pilliga Box (Lindsay Types)	2	142.07
	Pilliga Box (Lindsay Types) Total	25	668.72
Pilliga SF	Pine - Mugga Ironbark - Forest Oak (Pilliga Box)	2	182.98
	Pine - Mugga Ironbark - Forest Oak (Pilliga Box) Total	2	182.98
Goonoo SF	Predominantly Eucalypt forest but containing some unidentified Cypress Pine (Lindsay Types)	3	2004.46
	Predominantly Eucalypt forest but containing some unidentified Cypress Pine (Lindsay Types) Total	3	2004.46
Pilliga SF	Pure White Cypress Pine	17	292.17
	Pure White Cypress Pine Total	17	292.17
Goonoo SF	Rainforest (incl. mainly Forest Type 18) (Eden E.I.S. (1988) Area)	26	1039.84
	Rainforest (incl. mainly Forest Type 18) (Eden E.I.S. (1988) Area) Total	26	1039.84
Pilliga SF	Red Gum - ? - Roughbark Apple (Lindsay Types)	1	35.78
	Red Gum - ? - Roughbark Apple (Lindsay Types) Total	1	35.78
Pilliga SF	Red Gum - Black Pine (Lindsay Types)	4	388.94
	Red Gum - Black Pine (Lindsay Types) Total	4	388.94

Pilliga SF	Red Gum - Bloodwood - Black Pine (Lindsay Types)	2	566.72
	Red Gum - Bloodwood - Black Pine (Lindsay Types) Total	2	566.72
Pilliga SF	Red Gum - Bloodwood - White Cypress Pine (Lindsay Types)	2	109.87
	Red Gum - Bloodwood - White Cypress Pine (Lindsay Types) Total	2	109.87
Pilliga SF	Red Gum - Bloodwood (Lindsay Types)	3	63.64
	Red Gum - Bloodwood (Lindsay Types) Total	3	63.64
Pilliga SF	Red Gum - Broadleaf Ironbark - Bloodwood - Black Pine (Lindsay Types)	1	54.89
	Red Gum - Broadleaf Ironbark - Bloodwood - Black Pine (Lindsay Types) Total	1	54.89
Pilliga SF	Red Gum - Broadleaf Ironbark - Bloodwood (Lindsay Types)	5	872.51
	Red Gum - Broadleaf Ironbark - Bloodwood (Lindsay Types) Total	5	872.51
Pilliga SF	Red Gum - Broadleaf Ironbark - Desert Pine (Lindsay Types)	3	1991.27
	Red Gum - Broadleaf Ironbark - Desert Pine (Lindsay Types) Tota	3	1991.27
Pilliga SF	Red Gum - Broadleaf Ironbark - White Cypress Pine (Lindsay Types)	11	2751
	Red Gum - Broadleaf Ironbark - White Cypress Pine (Lindsay Types) Total	11	2751
Pilliga SF	Red Gum - Broadleaf Ironbark (Lindsay Types)	25	3519.67
	Red Gum - Broadleaf Ironbark (Lindsay Types) Total	25	3519.67
Balladoran SF	Red Gum - Cypress Pine - Broadleaf Ironbark (Lindsay Types)	1	2.24
	Red Gum - Cypress Pine - Broadleaf Ironbark (Lindsay Types) Total	1	2.24
Pilliga SF	Red Gum - Forest Oak - Bloodwood - Black Pine (Lindsay Types)	1	37.44
	Red Gum - Forest Oak - Bloodwood - Black Pine (Lindsay Types) Total	1	37.44
Pilliga SF	Red Gum - Forest Oak - White Cypress Pine (Lindsay Types)	1	533.74
	Red Gum - Forest Oak - White Cypress Pine (Lindsay Types) Total	1	533.74
Kerringle SF	Red Gum - Marrowleaf Ironbark (Lindsay Types)	1	83.34
Pilliga SF	Red Gum - Marrowleaf Ironbark (Lindsay Types)	20	1261.79
	Red Gum - Marrowleaf Ironbark (Lindsay Types) Total	21	1345.13
Drillwarrina SF	Red Gum - Narrowleaf Ironbark - Black Pine (Lindsay Types)	1	9.38
Pilliga SF	Red Gum - Narrowleaf Ironbark - Black Pine (Lindsay Types)	1	267.39
	Red Gum - Narrowleaf Ironbark - Black Pine (Lindsay Types) Total	2	276.77
Biddon SF	Red Gum - Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	1	6.51
	Red Gum - Narrowleaf Ironbark - Cypress Pine (Lindsay Types) Total	1	6.51
Pilliga SF	Red Gum - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types)	1	201.73
	Red Gum - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types) Total	1	201.73
Biddon SF	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	4	122.93
Drillwarrina SF	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	1	9.79
Kerringle SF	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	1	23.91
Pilliga SF	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	72	6811.22
Yalcogrin SF	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types)	3	59.56
	Red Gum - Narrowleaf Ironbark - White Cypress Pine (Lindsay Types) Total	81	7027.41
Pilliga SF	Red Gum - Pilliga Box (Lindsay Types)	1	36.07
	Red Gum - Pilliga Box (Lindsay Types) Total	1	36.07
Pilliga SF	Red Gum - Roughbark Apple - Desert Pine (Lindsay Types)	4	226.83
	Red Gum - Roughbark Apple - Desert Pine (Lindsay Types) Total	4	226.83
Pilliga SF	Red Gum - Roughbark Apple - Smoothbark Apple (Lindsay Types)	1	136.36
	Red Gum - Roughbark Apple - Smoothbark Apple (Lindsay Types) Total	1	136.36
Biddon SF	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types)	1	4.12

Courallie SF	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types)	1	12.95
Kerringle SF	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types)	2	87.52
Pilliga SF	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types)	75	12044.4
Trinkey SF	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types)	1	14.02
	Red Gum - Roughbark Apple - White Cypress Pine (Lindsay Types) Total	80	12163.01
Pilliga SF	Red Gum - Roughbark Apple (Lindsay Types)	42	8255.13
	Red Gum - Roughbark Apple (Lindsay Types) Total	42	8255.13
Mission SF	Red Gum - Smoothbark Apple - Black Pine (Lindsay Types)	1	8.84
	Red Gum - Smoothbark Apple - Black Pine (Lindsay Types) Total	1	8.84
Irrigappa SF	Red Gum - Smoothbark Apple - White Cypress Pine (Lindsay Types)	2	307.93
Terry Hie Hie SF	Red Gum - Smoothbark Apple - White Cypress Pine (Lindsay Types)	3	235.05
	Red Gum - Smoothbark Apple - White Cypress Pine (Lindsay Types) Total	5	542.98
Culgoora SF	Red Gum - White Cypress Pine (Lindsay Types)	1	39.69
Drillwarrina SF	Red Gum - White Cypress Pine (Lindsay Types)	1	15.26
Irrigappa SF	Red Gum - White Cypress Pine (Lindsay Types)	1	7.44
Mission SF	Red Gum - White Cypress Pine (Lindsay Types)	3	78.37
Pilliga SF	Red Gum - White Cypress Pine (Lindsay Types)	32	1488.76
	Red Gum - White Cypress Pine (Lindsay Types) Total	38	1629.52
Pilliga SF	Red Gum (blakeyi) - Bloodwood - Narrowleaf Ironbark - Cypress Pine (Lindsay Types)	1	10.42
	Red Gum (blakeyi) - Bloodwood - Narrowleaf Ironbark - Cypress Pine (Lindsay Types) Total	1	10.42
Pilliga SF	Red Gum (blakeyi) - Narrowleaf Ironbark - Bloodwood (Lindsay Types)	3	205.72
	Red Gum (blakeyi) - Narrowleaf Ironbark - Bloodwood (Lindsay Types) Total	3	205.72
Pilliga SF	Red Gum (blakeyi) - Roughbark Apple - Narrowleaf Ironbark (Lindsay Types)	1	173.46
	Red Gum (blakeyi) - Roughbark Apple - Narrowleaf Ironbark (Lindsay Types) Total	1	173.46
Culgoora SF	Red Gum (E. blakelyi) (Blakelys Red Gum) (Lindsay Types)	4	125.09
Pilliga SF	Red Gum (E. blakelyi) (Blakelys Red Gum) (Lindsay Types)	17	1365.33
	Red Gum (E. blakelyi) (Blakelys Red Gum) (Lindsay Types) Total	21	1490.42
Leard SF	Red Ironbark	5	2510.84
	Red Ironbark Total	5	2510.84
Goonoo SF	Regrowth	3	20.25
	Regrowth Total	3	20.25
Pilliga SF	Roughbark Apple - Red Gum (blakeyi) (Lindsay Types)	1	16.57
	Roughbark Apple - Red Gum (blakeyi) (Lindsay Types) Total	1	16.57
Pilliga SF	Scrub (Lindsay Types)	1	704.93
	Scrub (Lindsay Types) Total	1	704.93
Courallie SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	5	240.16
Irrigappa SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	4	93.32
Mission SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	5	294.63
Montrose SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	9	170.39
Pilliga SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	2	4206.42
Terry Hie Hie SF	Silverleaf Ironbark - White Cypress Pine (Lindsay Types)	9	641.03
	Silverleaf Ironbark - White Cypress Pine (Lindsay Types) Total	34	5645.95
Culgoora SF	Silverleaf Ironbark (Lindsay Types)	1	105.05
Pilliga SF	Silverleaf Ironbark (Lindsay Types)	1	36.87
	Silverleaf Ironbark (Lindsay Types) Total	2	141.92
Coolah Tops NP	Silvertop Stringybark	13	4079.39

	Silvertop Stringybark Total	13	4079.39
Coolah Tops NP	Silvertop Stringybark (Sub Type a) (Walcha District)	2	936.95
	Silvertop Stringybark (Sub Type a) (Walcha District) Total	2	936.95
Coolah Tops NP	Snow Gum	8	465.65
	Snow Gum Total	8	465.65
Coolah Tops NP	Snow Gum - Mountain / Manna Gum	3	407.26
	Snow Gum - Mountain / Manna Gum Total	3	407.26
Coolah Tops NP	Snow Gum / Manna Gum (Tableland Forest) (Eden E.I.S. (1994) Area)	11	694.83
	Snow Gum / Manna Gum (Tableland Forest) (Eden E.I.S. (1994) Area) Total	11	694.83
Goonoo SF	Spotted Gum (incl. Forest Types - 70, 74, 75 & 76) (Eden E.I.S. (1988) Area)	16	6618.23
	Spotted Gum (incl. Forest Types - 70, 74, 75 & 76) (Eden E.I.S. (1988) Area) Total	16	6618.23
Goonoo SF	Stringybark (incl. Forest Types - 121, 123 & 126) (Eden E.I.S. (1988) Area)	5	16769.24
	Stringybark (incl. Forest Types - 121, 123 & 126) (Eden E.I.S. (1988) Area) Total	5	16769.24
Coolah Tops NP	Swamp	3	47.23
	Swamp Total	3	47.23
Culgoora SF	Swamp (Lindsay Types)	2	15.3
	Swamp (Lindsay Types) Total	2	15.3
Goonoo SF	Timber cover other than Pine (Lindsay Types)	15	493.01
	Timber cover other than Pine (Lindsay Types) Total	15	493.01
Pilliga SF	Ti-Tree (Central Region)	1	26.82
	Ti-Tree (Central Region) Total	1	26.82
Irrigappa SF	Unknown (Eastern Bushland Types - Southern Region)	1	3.35
Mission SF	Unknown (Eastern Bushland Types - Southern Region)	1	42.76
	Unknown (Eastern Bushland Types - Southern Region) Total	2	46.11
Irrigappa SF	Unknown Type (Red Gum Types)	2	3.26
Montrose SF	Unknown Type (Red Gum Types)	1	5.18
	Unknown Type (Red Gum Types) Total	3	8.44
Baby SF	Untyped (Lindsay Types)	1	255.34
Bobbiwaa SF	Untyped (Lindsay Types)	2	2887.9
Bullawa Creek SF	Untyped (Lindsay Types)	1	98.68
Curryall SF	Untyped (Lindsay Types)	4	1124.77
Durridgere SF	Untyped (Lindsay Types)	1	4065.41
Garrawilla SF	Untyped (Lindsay Types)	2	303.07
Kelvin SF	Untyped (Lindsay Types)	1	2266.57
Killarney SF	Untyped (Lindsay Types)	1	1765.1
Leard SF	Untyped (Lindsay Types)	3	58.7
Moema SF	Untyped (Lindsay Types)	1	360.06
Munmurra SF	Untyped (Lindsay Types)	2	1317.87
Pilliga SF	Untyped (Lindsay Types)	26	11278.34
Rusden SF	Untyped (Lindsay Types)	2	1950.85
Tinkrameanah SF	Untyped (Lindsay Types)	2	968.95
Turill SF	Untyped (Lindsay Types)	1	1051.55
Wondoba SF	Untyped (Lindsay Types)	2	1668.8
	Untyped (Lindsay Types) Total	52	31421.96
Pilliga SF	Untyped (Narrandera Types. Plotted by Photogrammetry 1998)	4	193.71
	Untyped (Narrandera Types. Plotted by Photogrammetry 1998) Total	4	193.71

Pilliga SF	Wattle / Bloodwood (Lindsay Types)	3	1030.57
	Wattle / Bloodwood (Lindsay Types) Total	3	1030.57
Leard SF	Western Box	6	375.74
	Western Box Total	6	375.74
Leard SF	White box	4	214.05
	White box Total	4	214.05
Beni SF	White Box - White Cypress Pine (Lindsay Types)	1	6.23
Breeza SF	White Box - White Cypress Pine (Lindsay Types)	5	536.25
Courallie SF	White Box - White Cypress Pine (Lindsay Types)	4	333.7
Goran SF	White Box - White Cypress Pine (Lindsay Types)	1	22.06
Mission SF	White Box - White Cypress Pine (Lindsay Types)	4	94.18
Montrose SF	White Box - White Cypress Pine (Lindsay Types)	5	449.48
Pilliga SF	White Box - White Cypress Pine (Lindsay Types)	14	431.07
Spring Ridge SF	White Box - White Cypress Pine (Lindsay Types)	2	65.52
Terry Hie Hie SF	White Box - White Cypress Pine (Lindsay Types)	12	1058.06
Trinkey SF	White Box - White Cypress Pine (Lindsay Types)	1	63.17
Vickery SF	White Box - White Cypress Pine (Lindsay Types)	3	256.28
Yarindury SF	White Box - White Cypress Pine (Lindsay Types)	2	45.84
	White Box - White Cypress Pine (Lindsay Types) Total	54	3361.84
Pilliga SF	White Box (Lindsay Types)	7	448.22
	White Box (Lindsay Types) Total	7	448.22
Culgoora SF	White Cypress Pine - Bimble Box (Lindsay Types)	3	98.56
Moema SF	White Cypress Pine - Bimble Box (Lindsay Types)	2	370.21
Pilliga SF	White Cypress Pine - Bimble Box (Lindsay Types)	95	13389.93
Terry Hie Hie SF	White Cypress Pine - Bimble Box (Lindsay Types)	2	43.49
	White Cypress Pine - Bimble Box (Lindsay Types) Total	102	13902.19
Pilliga SF	White Cypress Pine - Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types)	8	387.32
Trinkey SF	White Cypress Pine - Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types)	1	222.33
	White Cypress Pine - Bloodwood - Narrowleaf Ironbark - Red Gum (Lindsay Types) Total	9	609.65
Pilliga SF	White Cypress Pine - Bloodwood - Red Gum (Lindsay Types)	26	816.54
Spring Ridge SF	White Cypress Pine - Bloodwood - Red Gum (Lindsay Types)	2	65.42
Terry Hie Hie SF	White Cypress Pine - Bloodwood - Red Gum (Lindsay Types)	4	116.73
	White Cypress Pine - Bloodwood - Red Gum (Lindsay Types) Total	32	998.69
Balladoran SF	White Cypress Pine - Broadleaf Ironbark - Forest Oak (Lindsay Types)	2	8.38
	White Cypress Pine - Broadleaf Ironbark - Forest Oak (Lindsay Types) Total	2	8.38
Balladoran SF	White Cypress Pine - Broadleaf Ironbark - Red Gum (Lindsay Types)	1	3.05
Trinkey SF	White Cypress Pine - Broadleaf Ironbark - Red Gum (Lindsay Types)	1	286.06
	White Cypress Pine - Broadleaf Ironbark - Red Gum (Lindsay Types) Total	2	289.11
Pilliga SF	White Cypress Pine - Broadleaf Ironbark (Lindsay Types)	4	33.66
	White Cypress Pine - Broadleaf Ironbark (Lindsay Types) Total	4	33.66
Moema SF	White Cypress Pine - Fuzzy Box (Lindsay Types)	2	99.47
Pilliga SF	White Cypress Pine - Fuzzy Box (Lindsay Types)	3	89.98
	White Cypress Pine - Fuzzy Box (Lindsay Types) Total	5	189.45
Beni SF	White Cypress Pine - Grey Box (Lindsay Types)	1	34.47
	White Cypress Pine - Grey Box (Lindsay Types) Total	1	34.47
Pilliga SF	White Cypress Pine - Mugga Ironbark - Forest Oak (Lindsay Types)	3	146.44

	White Cypress Pine - Mugga Ironbark - Forest Oak (Lindsay Types) Total	3	146.44
Eumungerie SF	White Cypress Pine - Mugga Ironbark (Lindsay Types)	1	6.85
	White Cypress Pine - Mugga Ironbark (Lindsay Types) Total	1	6.85
Moema SF	White Cypress Pine - Narrowleaf Ironbark - Broadleaf Ironbark (Lindsay Types)	2	32.43
	White Cypress Pine - Narrowleaf Ironbark - Broadleaf Ironbark (Lindsay Types) Total	2	32.43
Balladoran SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	3	173.28
Biddon SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	19	679.22
Breelong/Eura/LincolnSF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	4	196.31
Doona SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	2	432.04
Drillwarrina SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	4	408.41
Eumungerie SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	1	33.38
Kerringle SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	10	2271.28
Killarney SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	2	14.56
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	339	74397.35
Spring Ridge SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	4	319.03
Trinkey SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	7	1204.87
Vickery SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	1	1083.01
Yalcogrin SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	4	253.33
Yarindury SF	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types)	2	56.05
	White Cypress Pine - Narrowleaf Ironbark - Forest Oak (Lindsay Types) Total	402	81522.12
Balladoran SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	1	15.1
Biddon SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	2	3.33
Courallie SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	1	118.59
Kerringle SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	3	131.37
Killarney SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	4	67.56
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	155	10362.73
Trinkey SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	1	146.98
Yalcogrin SF	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types)	2	39.23
	White Cypress Pine - Narrowleaf Ironbark - Red Gum (Lindsay Types) Total	169	10884.89
Balladoran SF	White Cypress Pine - Pilliga Box (Lindsay Types)	2	41.49
Biddon SF	White Cypress Pine - Pilliga Box (Lindsay Types)	3	15.08
Breelong/Eura/LincolnSF	White Cypress Pine - Pilliga Box (Lindsay Types)	4	33.84
Drillwarrina SF	White Cypress Pine - Pilliga Box (Lindsay Types)	4	117.26
Eumungerie SF	White Cypress Pine - Pilliga Box (Lindsay Types)	1	8.26
Pilliga SF	White Cypress Pine - Pilliga Box (Lindsay Types)	149	13763.25
Yalcogrin SF	White Cypress Pine - Pilliga Box (Lindsay Types)	3	91.65
Yarindury SF	White Cypress Pine - Pilliga Box (Lindsay Types)	1	172.85
	White Cypress Pine - Pilliga Box (Lindsay Types) Total	167	14243.68
Breelong/Eura/LincolnSF	White Cypress Pine - Red Gum - Roughbark Apple (Lindsay Types)	2	37.79
Kerringle SF	White Cypress Pine - Red Gum - Roughbark Apple (Lindsay Types)	4	366.54
Pilliga SF	White Cypress Pine - Red Gum - Roughbark Apple (Lindsay Types)	78	7191.96
Trinkey SF	White Cypress Pine - Red Gum - Roughbark Apple (Lindsay Types)	1	199.83
	White Cypress Pine - Red Gum - Roughbark Apple (Lindsay Types) Total	85	7796.12
Terry Hie Hie SF	White Cypress Pine - Red Gum - Smoothbark Apple (Lindsay Types)	2	50.58
	White Cypress Pine - Red Gum - Smoothbark Apple (Lindsay Types) Total	2	50.58
Courallie SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	1	2024.35

Culgoora SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	4	520.84
Doona SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	3	252.59
Irrigappa SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	1	38.12
Mission SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	2	248.37
Moema SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	4	945.1
Montrose SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	4	1057.72
Pilliga SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	16	894.34
Terry Hie Hie SF	White Cypress Pine - Silverleaf Ironbark (Lindsay Types)	10	1372.83
	White Cypress Pine - Silverleaf Ironbark (Lindsay Types) Total	45	7354.26
Breeza SF	White Cypress Pine - White Box (Lindsay Types)	5	827.92
Courallie SF	White Cypress Pine - White Box (Lindsay Types)	2	54.63
Doona SF	White Cypress Pine - White Box (Lindsay Types)	4	638.02
Goran SF	White Cypress Pine - White Box (Lindsay Types)	2	428.93
Montrose SF	White Cypress Pine - White Box (Lindsay Types)	4	253.26
Pilliga SF	White Cypress Pine - White Box (Lindsay Types)	14	651.8
Spring Ridge SF	White Cypress Pine - White Box (Lindsay Types)	5	554.55
Terry Hie Hie SF	White Cypress Pine - White Box (Lindsay Types)	8	410.21
Trinkey SF	White Cypress Pine - White Box (Lindsay Types)	4	499.63
Vickery SF	White Cypress Pine - White Box (Lindsay Types)	1	24.18
Yarindury SF	White Cypress Pine - White Box (Lindsay Types)	1	50.33
	White Cypress Pine - White Box (Lindsay Types) Total	50	4393.46
Pilliga SF	White Cypress Pine - ? - Forest Oak (Lindsay Types)	13	855.49
	White Cypress Pine - ? - Forest Oak (Lindsay Types) Total	13	855.49
Leard SF	White Cypress Pine - Box	11	1171.14
	White Cypress Pine - Box Total	11	1171.14
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark - Pilliga Box (Lindsay Types)	2	77.29
	White Cypress Pine - Narrowleaf Ironbark - Pilliga Box (Lindsay Types) Total	2	77.29
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types)	1	6.65
	White Cypress Pine - Narrowleaf Ironbark - Roughbark Apple (Lindsay Types) Total	1	6.65
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark - White Box (Lindsay Types)	2	17.34
	White Cypress Pine - Narrowleaf Ironbark - White Box (Lindsay Types) Total	2	17.34
Beni SF	White Cypress Pine - Narrowleaf Ironbark (Lindsay Types)	6	661.48
Mission SF	White Cypress Pine - Narrowleaf Ironbark (Lindsay Types)	1	125.59
Pilliga SF	White Cypress Pine - Narrowleaf Ironbark (Lindsay Types)	11	738.37
Terry Hie Hie SF	White Cypress Pine - Narrowleaf Ironbark (Lindsay Types)	1	56.39
	White Cypress Pine - Narrowleaf Ironbark (Lindsay Types) Total	19	1581.83
Leard SF	White Cypress Pine - Narrowleaved Ironbark	8	2482.31
Mogriguy SF	White Cypress Pine - Narrowleaved Ironbark	2	91.18
	White Cypress Pine - Narrowleaved Ironbark Total	10	2573.49
Pilliga SF	White Cypress Pine - Pilliga Box - Narrowleaf Ironbark (Lindsay Types)	1	37.04
	White Cypress Pine - Pilliga Box - Narrowleaf Ironbark (Lindsay Types) Total	1	37.04
Leard SF	White Cypress Pine - Red Gum	2	62.95
	White Cypress Pine - Red Gum Total	2	62.95
Pilliga SF	White Cypress Pine - Red Gum - Narrowleaf Ironbark (Lindsay Types)	2	486.46
	White Cypress Pine - Red Gum - Narrowleaf Ironbark (Lindsay Types) Total	2	486.46
Balladoran SF	White Cypress Pine - Red Gum (Lindsay Types)	2	44.1

Beni SF	White Cypress Pine - Red Gum (Lindsay Types)	1	6.99
Culgoora SF	White Cypress Pine - Red Gum (Lindsay Types)	4	389.58
Drillwarrina SF	White Cypress Pine - Red Gum (Lindsay Types)	3	17.45
Eumungerie SF	White Cypress Pine - Red Gum (Lindsay Types)	1	38.27
Goran SF	White Cypress Pine - Red Gum (Lindsay Types)	2	47.62
Mission SF	White Cypress Pine - Red Gum (Lindsay Types)	1	189.19
Moema SF	White Cypress Pine - Red Gum (Lindsay Types)	1	294.45
Pilliga SF	White Cypress Pine - Red Gum (Lindsay Types)	69	4594.89
	White Cypress Pine - Red Gum (Lindsay Types) Total	84	5622.54
Pilliga SF	White Cypress Pine - Roughbark Apple (Lindsay Types)	2	54.34
	White Cypress Pine - Roughbark Apple (Lindsay Types) Total	2	54.34
Leard SF	White Cypress Pine - Western Ironbarks	3	181.74
	White Cypress Pine - Western Ironbarks Total	3	181.74
	Grand Total	8052	1132483.7

Forest	Types without descriptions (State Forests digital data)	Count	Area(ha)
Coolah Tops NP	167/17	14	500.33
	167/171 Total	14	500.33
Pilliga SF	BADp	1	36.14
	BADp Total	1	36.14
Garrawilla SF	BAP(Bp)	2	74.69
Trinkey SF	BAP(Bp)	1	57.89
	BAP(Bp) Total	3	132.58
Terry Hie Hie SF	BBP	1	83.23
	BBP Total	1	83.23
Biddon SF	BPA	1	4.67
	BPA Total	1	4.67
Mission SF	BPC	1	38.49
	BPC Total	1	38.49
Killarney SF	BpCB	1	5.13
	BpCB Total	1	5.13
Garrawilla SF	BpCTB	5	123.18
	BpCTB Total	5	123.18
Pilliga SF	Br-KUR	1	510.26
	Br-KUR Total	1	510.26
Pilliga SF	BrNT	2	293.71
	BrNT Total	2	293.71
Trinkey SF	COP(Bp)	3	804.84
	COP(Bp) Total	3	804.84
Irrigappa SF	FG	1	17.44
Terry Hie Hie SF	FG	3	209.23
	FG Total	4	226.67
Deriah SF	HC	1	2119.59
	HC Total	1	2119.59
Deriah SF	HCP	1	120.1

	HCP Total	1	120.1
Pilliga SF	HEATH-Br	1	173.88
	HEATH-Br Total	1	173.88
Irrigappa SF	LP	1	5.61
	LP Total	1	5.61
Irrigappa SF	MB	2	35.77
	MB Total	2	35.77
Pilliga SF	NTB	1	39.93
	NTB Total	1	39.93
Garrawilla SF	PBA(Bp)	1	7.3
	PBA(Bp) Total	1	7.3
Trinkey SF	PCO(Bp)	1	44.19
	PCO(Bp) Total	1	44.19
Trinkey SF	PNT	1	14.08
	PNT Total	1	14.08
Trinkey SF	PNT(Bp)	2	159.68
	PNT(Bp) Total	2	159.68
Terry Hie Hie SF	TBBP	2	25.28
	TBBP Total	2	25.28
Pilliga SF	TBC	15	848.04
	TBC Total	15	848.04
Garrawilla SF	TBCP(Bp)	1	47.61
	TBCP(Bp) Total	1	47.61
Trinkey SF	TBP(Bp)	1	23.99
	TBP(Bp) Total	1	23.99
Trinkey SF	TNB(Bp)	1	50.71
	TNB(Bp) Total	1	50.71
Trinkey SF	TNP	1	31.35
	TNP Total	1	31.35
Trinkey SF	TNP(Bp)	5	1317.1
	TNP(Bp) Total	5	1317.1
	Grand Total	76	7823.44

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Binnaway NR	1 Red Gum & Rough-Barked Apple	6	176.18
Binnaway NR	1/2 Red Gum & Rough-Barked Apple + Narrow-Leaved Ironbark & Black Cypress	2	207.31
Binnaway NR	1/3 Red Gum + Rough-Barked Apple + Red Stringybark + Narrow-Leaved Ironbak + Black	1	145.69
Binnaway NR	2 Narrow-Leaved Ironbark & Black Cypress	2	2838.82
Binnaway NR	2/3 Narrow-Leaved Ironbark & Black Cypress + Red Stringybark	5	1044.19
Binnaway NR	2sc Scattered Narrow-Leaved Ironbark + Black Cypress	1	43.02
Binnaway NR	3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	16	692.15
Binnaway NR	Cleared	2	149.64

Forest	Type Description (State Forests digital data)	Count	Area (ha)

Coolah Tops NP	Apple Box	1	41.216
Coolah Tops NP	Grassland	8	155.033
Coolah Tops NP	Mountain/Manna & Snow Gum	17	1848.47
Coolah Tops NP	Mountain/Manna Gum	33	1929.427
Coolah Tops NP	Silvertop Strngbk-Mountn/	16	6568.361
Coolah Tops NP	Silvertop Strngybrk + 15%	9	1104.373
Coolah Tops NP	Slvtop Strngbrk/Yellow Bx	15	581.061
Coolah Tops NP	Snow Gum + 15% other	11	697.765
Coolah Tops NP	Swamp	19	267.364

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Dapper NR	Disturbed	3	1.054
Dapper NR	Permian Ironbark Woodland Complex	9	706.271
Dapper NR	Permian Low Woodland	3	273.053
Dapper NR	Sheltered Triassic Sandstone Woodland	5	79.385
Dapper NR	Triassic Sandstone Woodland	6	33.121

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Mount Kaputar NP	1:Snow Gum & Ribbon Gum & Mountain Gum	2	350.488
Mount Kaputar NP	10.River Oak Riparian Forest & Dry Rainforest	21	562.491
Mount Kaputar NP	2 with 8	1	50.147
Mount Kaputar NP	2. Silver-Top Stringybark & Roughbarked Mountain Gum	6	4298.41
Mount Kaputar NP	3. Mountain Gum	10	41.7
Mount Kaputar NP	5 with 8	5	296.188
Mount Kaputar NP	5. Dry Heathland	41	448.127
Mount Kaputar NP	6. Wet Heathland	11	32.778
Mount Kaputar NP	7 with 9	9	665.098
Mount Kaputar NP	7. White Box & Cypress Pine	21	7256.049
Mount Kaputar NP	8 with 5	3	67.027
Mount Kaputar NP	8. Tumbledown Red Gum & Dwyers Mallee Gum	9	86.389
Mount Kaputar NP	9 with 5	1	33.682
Mount Kaputar NP	9. Narrow-Leaved Ironbark, Cypress Pine & Acacia	9	454.129
Mount Kaputar NP	Cleared Area	12	335.961
Mount Kaputar NP	Mallee Intergrading Population with Dry Heathland	2	26.937
Mount Kaputar NP	Scattered 2	1	13.063
Mount Kaputar NP	Scattered 7	4	211.586
Mount Kaputar NP	Scattered 7 with 2	2	486.698
Mount Kaputar NP	Scattered 7 with 8	9	422.017
Mount Kaputar NP	Scattered 7 with 9	5	139.632

Key

1:Snow Gum & Ribbon Gum & Mountain Gum
2. Silver-Top Stringybark & Roughbarked Mountain Gum

3. Mountain Gum
5. Dry Heathland
6. Wet Heathland
7. White Box & Cypress Pine
8. Tumbledown Red Gum & Dwyers Mallee Gum
9. Narrow-Leaved Ironbark, Cypress Pine & Acacia
10.River Oak Riparian Forest & Dry Rainforest
Mallee Intergrading Population with Dry Heathland

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Towarri NP	Disturbed Pasture	44	526.157
Towarri NP	Dry Rainforest	2	8.968
Towarri NP	Grass Tree Low Woodland	8	43.129
Towarri NP	Gum Exposed Open Forest	17	1050.238
Towarri NP	Low Open Forest (In Gum Exposed Open Forest Profile)	3	49.537
Towarri NP	Low Woodland (In Gum Exposed Open Forest Profile)	7	122.417
Towarri NP	Regeneration	1	23.889
Towarri NP	Riparian Warm Temperate Rainforest	2	28.365
Towarri NP	River Oak Riparian Forest	4	53.666
Towarri NP	Rocky Outcrop	1	1.915
Towarri NP	Snow Gum Exposed Forest	3	130.397
Towarri NP	Tall Fernland	1	1.073
Towarri NP	Tall Forest (Included in Tall Open Forest Profile)	5	376.966
Towarri NP	Tall Open Forest	19	876.313
Towarri NP	Warm Temperate Rainforest	6	98.805

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Weetalibah NR	1 Red Gum + Mugga Ironbark + Rough Barked Apple	3	356.381
Weetalibah NR	1/3 Red Gum + Mugga & Narrow Leaved Ironbark + Rough Barked Apple + Black Cyp	1	7.269
Weetalibah NR	2 Narrow L I.Bark & B.Cypress	1	44.938
Weetalibah NR	2 Narrow Leaved Ironbarkark + Black Cypress Pines	4	270.296
Weetalibah NR	2/3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	1	16.644
Weetalibah NR	3 Red Stringybark + Narrow-Leaved Ironbark + Black Cypress	3	1013.053
Weetalibah NR	Cleared	2	41.842

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Pilliga NR	Cleared Land	19	38.756
Pilliga NR	E.blakelyii-A.floribunda	52	34164.703
Pilliga NR	E.crebra-C.glaucophylla	12	590.223
Pilliga NR	E.fibrosa-C.glaucphylla	12	247.718
Pilliga NR	Ironbark complex	78	49216.511
Pilliga NR	M.uncinata-A.curacubah	3	29.059
Pilliga NR	Pilliga NR	4	268.229

Forest	Vegetation Community (NPWS Data)	Count	Area (ha)
Wurrumbungle NP	Acacia sp. shrublands	49	349.512
Wurrumbungle NP	Callitris glaucophylla OW	1	17.748
Wurrumbungle NP	Casuarina-E.blakelyi woodland	3	85.547
Wurrumbungle NP	Cleared land	76	1929.910
Wurrumbungle NP	E.albens open woodland	35	491.422
Wurrumbungle NP	E.albens-E.crebra tall woodland	143	14145.276
Wurrumbungle NP	E.blakelyi-A.floribunda OW	23	609.348
Wurrumbungle NP	E.crebra-E.dealbata low woodland	51	4709.180
Wurrumbungle NP	E.dwyeri-Kunzea sp.shrubland	32	310.641
Wurrumbungle NP	E.macroryncha-E.melliodora woodland	9	128.680
Wurrumbungle NP	E.rossii-E.trachyphloia woodland	7	135.571
Wurrumbungle NP	Open Woodland disturbed	5	210.503
Wurrumbungle NP	Rocky outcrops	5	117.470
Wurrumbungle NP	Untyped	5	107.005
Wurrumbungle NP	Woodland on sandstone not ref'	10	273.236