APPENDIX A: FEATURE CODES, SAMPLING EFFORT AND MAP UNIT ALLOCATION

The following table outlines the allocation of Map Units (vegetation communities and other landscape features) to the feature codes developed during the API process for the Mapping Area (Section 2.8 and Map 9). Conditions for separating a feature code into multiple Map Units are provided (where used). The broad complex, dominant species and associate species are shown for each API feature code.

Codes:

- *E.* – replaces *Eucalyptus*;
- (+/-)-indicates that the species may or may not be found;
- (+?)-indicates that other species may also occur but were not known;
- Us (Understorey), Cover, Rock and Confidence refer to the polygon codes developed during the API procedure as discussed in Section 2.8 and presented in NPWS (2003b). "" refers to an uncoded polygon for that particular variable.

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
1011 COOL WARM TEMPERATE RAINFOREST										
Newnes Plateau Capertee Valley	Triassic SS	Protected gorges above 800m	Tall (open to) closed forest	1011	1	*D. sassafras, Quintinia sieberi*				4
1012 DRY RAINFOREST										
Capertee Valley	Various		Low-mid high	1012	2	Fig / *Backhousia* etc			1	39
1020 MONTANE TALL EUCALYPT FOREST associated with sheltered gullies and slopes on Triassic sandstone (*E. fastigata* / *E. cypellocarpa* / *E. dalrympleana*)										
Newnes Plateau Capertee Valley	Triassic SS / Permian slopes	Sheltered gully lines and slopes at high elevation. Occurs on deeper sandstone soils and on sandstone colluvium mantle over Permian seds	Tall to very tall, open to closed forest	1020	8	*E. fastigata, E. dalrympleana, E. blaxlandii, E. cypellocarpa*	E. *oreades, E. radiata, E piperita*		1	292
Newnes Plateau	Triassic SS / Permian slopes	Protected gorges and canyons at high elevation. Occurs on deeper sandstone soils and on sandstone colluvium mantle over Permian seds	Tall to very tall, open to closed forest	1021	8	*E. fastigata*	*E. dalrympleana, E. cypellocarpa, E. oreades, E. radiata, E. blaxlandii, E piperita*	*E. dalrympleana* sometimes codominant down slope & *E. blaxlandii* upslope, particularly under sandstone	4	630
Newnes Plateau Capertee Valley	Triassic SS / Permian slopes	Sheltered heads of gullies on deeper soils	Tall to very tall, open to closed forest	1022	4	*E. cypellocarpa, E. fastigata*	*E. dalrympleana*	Gully heads	2	49

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Newnes Plateau	Triassic SS / Permian slopes	Sheltered "cold air drainage" gully lines and slopes at high elevation.	Tall to very tall, open to closed forest	1023	8	*E. dalrympleana,*	*E. fastigata, E. piperita*	Entrenched steep-sided gullies in sandstone. 1050 used where less sheltered, less rocky and lower gradient		79
Capertee Valley (Mount Airly)	Triassic SS / Permian slopes	Sheltered heads of gullies and aspects		1024	8	*E. cypellocarpa*	*E. eugenioides*			8
		Sheltered aspects and gullies, not entrenched as 1021		1026	7	*E. fastigata, E. dalrympleana, E. blaxlandii*+ / -	*E. radiata*	Sheltered aspects, moderately inclined gullies. Not entrenched	2	437
1030	NEWNES PLATEAU MONTANE TALL EUCALYPT FOREST associated with enriched Triassic sandstone (*E. blaxlandii / E. dalrympleana / E. radiata / E. oreades*)									
Newnes Plateau	Triassic SS	Undulating slopes and rises on enriched sandstones above 1050 m. Localised patches of *E. oreades* dominant forest present	Tall to very tall, open forest	1030	26	*E. blaxlandii, E. radiata, E. dalrympleana, E. oreades*	*E. sieberi, E. mannifera* subsp. *mannifera, E. dives E. sclerophylla*	*E. piperita* rare or absent. Enriched sandstone soils, high elevation Newnes plateau	6	1941
				1030	7					
Newnes Plateau	Triassic SS	Deeper enriched soils.	Tall to very tall, open forest	1031	7	*E. oreades E. blaxlandii*+ / -	*E. radiata*, occ *E. sieberi*	*E. oreades* typically forms dominant canopy sp. Sparse dry shrubs with *Poa* sp. prominent	2	1976
Newnes Plateau	Triassic SS	Slightly sheltered broad terracing off main ridgelines.	Tall to very tall, open forest	1032	26	*E. blaxlandii, E. dalrympleana*+ / - *E. radiata*+ / - *E. sieberi*+ / -	*E. mannifera, E. dives, E. oreades*	*E. dalrympleana, E. radiata* frequently codominant but can be locally absent. Highly variable composition due to past logging. *E. oreades* can be locally codominant. Sparse dry shrubs with *Poa* sp. prominent. Tall *E. blaxlandii* and *E. dalrympleana* (when present) above a smaller tree layer	4	1524
				1032	7					

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Newnes Plateau	Triassic SS	Crests and rises where soils are shallower and rockier	Tall to very tall, open forest	1034	26	*E. sieberi, E. radiata*+ / -	*E. blaxlandii, E. mannifera, E. oreades, E. sclerophylla, E. dives*	*E. blaxlandii* absent or occ. only. *E. mannifera* oc. codominant.	1	589
1040 MONTANE TALL EUCALYPT FOREST associated with broad ridges and slopes on Triassic sandstone (*E. blaxlandii / E. oreades / E. piperita*+ / -)										
Newnes Plateau Capertee Valley	Triassic SS	Sheltered slopes and gullies	Mid high to tall, open forest	1040	29	*E. radiata, E. blaxlandii, E. piperita, E. oreades, E. sieberi*	*E. dives E. sclerophylla*	Shrubby to ferny to dense *Lomandra* sp.. *E. sparsifolia* rare or absent. Grades to 1030 group as soils become deeper and 1070 group toward edge of plateau or where soils become more sandy or shallow / rocky (e.g. toward pagoda formation)	4	1265
Newnes Plateau Capertee Valley	Triassic SS	Sheltered slopes and gullies. Variant dominated by the stringybark at heads of gullies	Tall, open forest	1041	29	*E. blaxlandii*	*E. radiata, E. dives, E. piperita, E. cypellocarpa, E. oreades*	Shruby occ. ferny	3	1586
Newnes Plateau	Triassic SS	Frequently occurring on steep slopes descending from Newnes Plateau, with E. oreades dense and dominant	Tall, open forest	1042	26	*E. oreades*	*E. radiata, E. blaxlandii, E. dives, E. piperita, E. sieberi, E. cypellocarpa*	Extends to lower limits for *E. oreades*. Overlaps with 1070. Dry shrubs occ. ferny	3	1627
Newnes Plateau	Triassic SS	Broad sandstone ridges and sheltered aspects with deeper soils.	Mid high to tall, open forest	1043	29	*E. piperita*	*E. sieberi, E. sparsifolia occ E. blaxlandii, E. oreades, E. dives*			110
Newnes Plateau	Triassic SS			1044	26	*E. blaxlandii, E. sieberi, E. radiata*+ / - *E. oreades*+ / -	*E. piperita, E. mannifera, E. dives*		1	360
1050 NEWNES PLATEAU MONTANE / SUBALPINE EUCALYPT FOREST AND WOODLANDS associated with cold hollows on Triassic sandstone (*E. mannifera / E. pauciflora / E. sclerophylla / E. dalrympleana*)										
Newnes Plateau	Triassic SS	Exposed slopes and ridges and exposed gentle depressions and frost hollows of high elevation plateau. Cold air drainage	Low to mid high, woodland to open woodland	1050	26a	*E. mannifera, E. pauciflora, E. dalrympleana, E. sclerophylla*	*E. oreades, E. dives, E. radiata*			450

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
		and sinks								
Newnes Plateau	Triassic SS	Exposed gentle depressions, frost hollows and low gradient gullies of high elevation plateau	Low to mid high, woodland to open woodland	1051	14	*E. mannifera, E. pauciflora, E. dalrympleana,*	*E. oreades, E. dives, E. sclerophylla, E. radiata*	Exposed gullies and drainage lines. Understorey varies from dense *Leptospermum* thicket to open forbs and tussock grass. 1023 used where gullies are more entrenched in sandstone	1	603
Newnes Plateau	Triassic SS	Exposed slopes and ridges. Often leading to tea tree thicket drainage lines. Soils shallow and rocky	Low to mid high, woodland to open woodland	1052	26a	*E. E. mannifera E. sclerophylla*	*E. dives, E. oreades, E. pauciflora, E. dalrympleana, E. radiata. (E. piperita+ / -)*	Shrubby includes *B. spinulosa, A.nana.* Mallees oc present (*E. gregsoniana, E. multicaulis*) *E. piperita* occ present to east	1	586
Newnes Plateau	Triassic SS	Exposed slopes and ridges		1053	52	*E. pauciflora*	*E. mannifera, E. dalrympleana*		2	71
				1053	14					
Newnes Plateau	Triassic SS	Exposed slopes and ridges.		1055	26a	*E. sclerophylla, E. dalrympleana*	*E. oreades, E. dives*			231
Newnes Plateau	Triassic SS	Exposed slopes and ridges. Often leading to Tea-tree thicket drainage lines. Soils shallow and rocky.		1056	26a	*E. mannifera, E. dives+ / - E. oreades + / - E. sieberi+ / -*	*E. sclerophylla, E. pauciflora*	*E. dives* sometimes assoc only	2	268
1070	MONTANE DRY EUCALYPT FOREST AND WOODLANDS associated with ridges on Triassic sandstone (*E. piperita / E. sieberi / E. sclerophylla* usually present; *E. blaxlandii / E. radiata* rare or absent)									
Newnes Plateau Capertee Valley	Triassic SS	Exposed slopes and ridges.	Mid high to tall, woodland to open forest	1070	32	*E. piperita, E. sieberi, E. sclerophylla, E. sparsifolia, A.littoralis (local)*	*E. mannifera, E. oreades* (at lower limits),	*E. blaxlandii / E. radiata* rare or absent. High elevation sandstones. Near limit of *E. oreades.* Low shrubs to heathy. *E. punctata* essentially absent on Triassic sandstone.	7	1926
				1070	30					

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Newnes Plateau	Triassic SS	Exposed upper slopes and ridge tops. Often swarming post fire regrowth on narrow ridgelines. Low thin diameter trees	Mid high to tall, open forest	1071	30	*E. sieberi, E. piperita*+ / -	*E. sparsifolia*	*E. piperita* sometimes assoc. shrubby	1	1019
Newnes Plateau	Triassic SS	commonly occurring on exposed rocky ends of ridgelines leading to heathland or escarpment cliffs	Low to tall, woodland to open woodland	1073	28	*E. sclerophylla*	*E. sieberi, E. piperita, E. sparsifolia, E. oreades*	Shrubby to heathy with *L.. trinervium*, *B. spinulosa* etc. *E. piperita* occ. co-dominant.	4	1955
Newnes Plateau	Triassic SS		Mid high to tall, woodland to open forest	1074	28	*E. sieberi, E. sclerophylla*	*E. piperita, E. mannifera, E. dives, E. radiata, E. oreades*	Common on ridges adjacent to highway leading into Lithgow, *E. oreades* at lower limits	1	124
Newnes Plateau Capertee Valley	Triassic SS	Exposed upper slopes and ridge tops	Mid high to tall, woodland to open forest	1075	30	*E. piperita, E. sparsifolia, E. sieberi*+ / -	*E. sclerophylla, E. punctata*	*E. sparsifolia* sometimes assoc. only	3	2826
Newnes Plateau	Triassic SS	Exposed upper slope	Low to tall, open forest	1076	30	*A.littoralis*			1	7
Coxs Valley (Ben Bullen SF Nth)	Triassic SS	Exposed upper slopes and broad ridge tops	Low to tall, woodland to open forest	1077	32	*E. sclerophylla, E. sparsifolia, E. sieberi,*	*E. macrorhyncha / E. cannonii, E. mannifera, E. dives, E. punctata*	*E. sclerophylla, E. sparsifolia, E. sieberi*+ / - predominant on broad ridge tops and Permian slopes. Spp. occ. present near edges grading to 1120.	2	477
Coxs, Wolgan Valleys	Permian shales + sandstone colluvium	Edges of Triassic sandstone and escarpment upper slopes. Common as a community occurring on sandstone colluvium over upper Permian sediments (below cliff faces)	Mid high to tall, woodland to open forest	1079	27	*E. piperita, E. sieberi, E. punctata*	*E. macrorhyncha / E. cannonii, E. rossii*		6	2021
				1079	30			Split for floristic assemblage		
1100	TALL EUCALYPT FOREST associated with semi-sheltered Permian talus slopes (*E. punctata*)									

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Wolgan / Capertee Valleys	Permian	Sheltered slopes and gullies of escarpment slopes	Tall to very tall open forest	1100	3	*E. cypellocarpa, E. punctata, A.floribunda, E. eugenioides, E. sparsifolia, E. blaxlandii, E. viminalis*	*E. melliodora E. polyanthemos, E. blakelyi, E. fastigata*	Shrubby and ferny	2	836
Wolgan / Capertee Valleys	Permian	Sheltered slopes and gullies of escarpment slopes	Tall to very tall open forest	1101	3	*E. cypellocarpa, E. punctata, A.floribunda*	*E. eugenioides, E. melliodora, E. fastigata, E. polyanthemos*	Shrubby and ferny. Moist.	4	548
Wolgan Valley	Permian + sandstone / shale colluvium	Sheltered slopes and gullies of escarpment slopes occupying colluvial benches resulting from mass movement (slumping)	Tall to very tall open forest	1102	3	*A.floribunda, E. eugenioides, E. punctata*	*E. viminalis, E. melliodora*	Moist to intermediate.	1	104
Capertee Valley	Permian	Sheltered to semi-sheltered escarpment slopes	Tall to very tall open forest	1103	3	*E. punctata, A. floribunda*	*E. blakelyi, E. melliodora*	Downstream from Glen Davis	3	434
Capertee Valley	Permian	Sheltered to semi-sheltered escarpment slopes	Tall to very tall open forest	1104	3	*E. punctata, E. sparsifolia / E. cannonii, E. melliodora*	*E. polyanthemos,*	Intermediate-dry. Less dry than 1146. *E. melliodora* occ. assoc. only.		339.3
Capertee Valley	Permian	Sheltered to semi-sheltered escarpment slopes. Probably on colluvium	Tall to very tall open forest	1105	3	*E. punctata, E. blaxlandii*	*E. cannonii*	Intermediate-dry.	1	274
	Permian + sandstone / shale colluvium	Sheltered slopes and gullies of escarpment slopes on Triassic sandstone colluvium	Tall to very tall open forest	1106	3	*E. sieberi, E. blaxlandii, E. piperita, E. punctata*	*E. cypellocarpa, E. oreades* (Cox's Valley), *E. melliodora, E. polyanthemos*		1	156
1140 DRY EUCALYPT FOREST associated with Permian talus slopes (*E. punctata / E. polyanthemos*)										
Wolgan / Capertee Valleys	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall open forest	1140	21	*E. punctata, E. macrorhyncha / E. cannonii / sparsifolia, E. polyanthemos, E. melliodora, E. fibrosa, E. rossii, E. albens*	*A.floribunda, E. blakelyi, E. crebra, Callitris* spp.	*E. polyanthemos, E. albens , E. melliodora, E. fibrosa* common only in Capertee and Wolgan Valleys	2	2320

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Capertee Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1141	40	*E. fibrosa*	*E. punctata, E. macrorhyncha / E. cannonii, E. rossii, E. polyanthemos, E. melliodora*		2	856
Capertee Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1143	32	*E. punctata, E. rossii, E. sparsifolia*	*E. melliodora, E. polyanthemos, E. mannifera, E. dives*	Drier, generally more open than 1146. Higher elevation > 800m occ. *E. mannifera* and *E. dives* on upper slopes / ridge top. *E. rossii* can be locally dominant in drier areas	1	74
				1143	21					
Capertee Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1144	38	*E. punctata, E. fibrosa*	*E. crebra, E. sparsifolia, Callitris*		10	1529
				1144	41					
Capertee Valley, Wolgan Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1146	21	*E. punctata, E. sparsifolia / E. cannonii, E. polyanthemos*	*E. melliodora, E. rossii, E. albens*	*E. polyanthemos* varies, sometimes dominant / codominant and sometimes assoc. Grades into 1161 and 1163. More dry than 1104. Similar to 1594 but SS above and *E. punctata* present in 1146	11	2588
		Occurs at change of grade. Grades to Shoalhaven grp?		1148	21	*E. polyanthemos, E. blakelyi, E. melliodora*	*E. punctata, E. cannonii*	Commonly occurs below 1146, Grades into 1595. *E. blakelyi* usually present	1	197
1160	CAPERTEE DRY EUCALYPT FOREST associated with lower Permian sediment ridges (*E. punctata / E. sparsifolia / E. tenella*)									
Wolgan / Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges (on Permian conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1160	38	*E. punctata, E. sparsifolia / E. tenella, E. macrorhyncha / E. cannonii, E. crebra / fibrosa, E. rossii, Callitris, E. nubila*	*E. polyanthemos, E. melliodora, E. moluccana / E. albens, E. albens, E. dealbata+ / -*	Ridge tops and upper slopes. Fine leaved stringy (*E. tenella*?) and *E. punctata* typically present.	2	2394

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Wolgan and Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1161	38	*E. punctata, E. sparsifolia / E. tenella?, E. macrorhyncha / E. cannonii+ / - E. crebra / fibrosa+ / -*	*E. melliodora, E. moluccana / E. albens, E. polyanthemos, E. albens, E. rossii, Callitris*	Fine canopy texture. Ironbark is usually *E. crebra*. *E. rossii* occ. codominant or locally dominant in places.	4	1461
Wolgan and Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1162	38	*E. punctata, E. crebra*	*E. tenella*	Fine canopy texture, occurring on ridge tops		9
Wolgan and Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1164	38	*E. fibrosa*	*E. punctata, E. tenella, E. polyanthemos*	Fine canopy texture, localised on ridge tops. Tends to occur toward ends of ridges that drop into steep gullies or gorges. Perhaps part of 1593 or 1596?	1	47
Wolgan and Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1165	38	*E. rossii*	*E. tenella, E. macrorhyncha / E. cannonii*	Very dry open patches	1	18
Wolgan and Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metasediments	Mid high to tall woodland to open forest	1166	38	*E. punctata, E. sparsifolia / E. tenella?,Callitris*		On ridge tops, usually small crowns occurring within 1161	2	701
Capertee Valleys	Lower Permian sediments (conglomerate?)	Ridges on lower Permian sediments (conglomerate?) extending from steeper Permian slopes grading to Devonian metaseds	Mid high to tall woodland to open forest	1167	39	*E. nubila, E. fibrosa / crebra, Callitris+ / -*	*E. albens, E. dealbata, E. moluccana, E. punctata*		4	338

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Capertee Valley	Lower Permian sediments (conglomerate?)	Transitional geology. Steep lower Permian side slopes grading to Devonian metasediments. Alt > 500m at W side of valley	Low to mid high woodland to open forest	1168	38	*E. albens, E. punctata*+ / - *E. crebra / fibrosa*+ / -	*Callitris, E. melliodora, E. dealbata* (local)	Transitional wbx type. Similar to 1593 but transitional Permian grading to Devonian metasediments (1593=Permian only) Transitional with 1271 but *E. punctata* present. 1180 grp used if *E. punctata* is unlikely and *E. dealbata* is more abundant (steep dry open and *Callitris* present)	4	2013
1170 TALL OPEN EUCALYPT FOREST associated with Permian sediment gullies (Box - Gum Species)										
Wolgan and Capertee Valleys	Permian grading to Devonian	Gullies draining from Permian escarpment foot slopes on Permian sediments	Mid high to tall woodland to open forest	1170	21	*E. blakelyi, E. melliodora, E. bridgesiana, E. viminalis, E. sparsifolia, E. punctata*	E. cannonii, E. polyanthemos			355
Capertee Valley	Permian grading to Devonian	Gullies draining from Permian escarpment foot slopes on Permian sediments	Tall to very tall open forest	1172	13	*E. viminalis, E. bridgesiana, E. blakelyii, E. melliodora*	E. polyanthemos, A.floribunda		3	832.5
Capertee Valley	Permian grading to Devonian	Major gullies draining from Permian escarpment foot slopes	Tall to very tall open forest	1173	13	*E. viminalis*		Perhaps merge with 1172. Both alluvial and intermediate-moist	1	31
Capertee Valley	Permian grading to Devonian	Gullies draining from Permian escarpment foot slopes on Permian sediments	Tall to very tall open forest	1174	20	*E. blakelyii, E. melliodora, E. bridgesiana* + / -, *E. punctata*+ / -	*E. albens, A.floribunda, E. viminalis*		6	1686
Capertee Valley	Permian grading to Devonian	Sheltered to semi-sheltered escarpment and foot slope gullies. Extends well down slope to metaseds	Tall to very tall open forest	1175	21	*E. viminalis, E. punctata, E. sparsifolia* (NS)	*E. blaxlandii, E. blakelyi, E. bridgesiana*	Needs sampling. ?Mudgee R12 / 38.		200
Capertee Valley	Permian grading to Devonian	Mount Airly. Sheltered side slopes and gullies		1176	3	*E. viminalis, E. cypellocarpa*				17

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Capertee Valley	Permian grading to Devonian	Sheltered to semi-sheltered escarpment and foot slope gullies.		1177	41	*E. punctata* dominant	*E. blakelyii, E. melliodora, E. crebra / fibrosa*			21
1180	DRY EUCALYPT AND PINE WOODLANDS associated with Permian / Devonian complex ridges and gorges (*E. albens / E. dealbata / C. endlicheri*)									
Capertee Valley	Devonian	Steep and exposed (Devonian?) side slopes	Low to mid high woodland to open forest	1180	42	*E. dealbata, E. albens, C. endlicheri, E. crebra+ / -*	*B. populneus, E. fibrosa, E. cannonii, E. moluccana*	Grades into 1271		559
Capertee Valley	Devonian	Steep and exposed (Devonian?) side slopes	Low to high woodland to open forest	1181	42	*E. albens*	*E. dealbata E. crebra / fibrosa, Callitris, E. moluccana*	*E. albens* dominant. Use 1271 for valley ridges / side slopes and undulating rises. If *E. punctata* likely and less exposed use 1593	3	1440
Capertee Valley	Devonian	Exposed (Devonian?) dry ridge tops and side slopes	Low to mid high woodland to open forest	1182	42	*E. albens C. endlicheri, E. dealbata+ / -, E. crebra+ / -*	*E. cannonii, B. populneus*	Use if *Callitris* abundant and *E. dealbata* present. If taller site height and *E. dealbata* not abundant consider 1271. If *E. punctata* likely use 1592.	5	3883
	Devonian	Steep and exposed (Devonian?) side slopes	Low to mid high woodland to open forest	1183	42	*E. dealbata, E. crebra*	*C. endlicheri*	Locally observed at 'Watervale'		48
1190	MT WALKER SHELTERED TALL EUCALYPT FOREST associated with Devonian metasediments (*E. fastigata / E. viminalis*)									
Coxs Valley (Mount Walker)	Devonian	Sheltered aspects, gullies	Tall to very tall, open forest	1190	34	*E. viminalis, E. fastigata, E. dives*	*E. dalrympleana, E. pauciflora*			11
				1190	4					
Coxs Valley (Mount Walker)	Devonian	Sheltered aspects, gullies	Tall to very tall, open forest	1191	34	*E. viminalis, E. dives*	*E. dalrympleana, E. pauciflora*		3	132
Coxs Valley (Mount Walker)	Devonian	Sheltered aspects, gullies	Tall to very tall, open forest	1192	4	*E. fastigata,*	*E. dalrympleana, E. pauciflora*		1	17
1200	MT VINCENT TALL OPEN EUCALYPT FOREST associated with Tertiary basalt capping (*E. viminalis*)									
Capertee Valley	Tertiary Basalt	Basalt cap	Tall to very tall, open forest	1200	9	*E. viminalis*	*E. pauciflora*			302
1230	COX VALLEY DRY EUCALYPT WOODLANDS associated with Permian / Devonian ridges (*E. rossii / E. mannifera*)									

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Coxs Valley (Lidsdale - Mount Walker)	Permian / Devonian	Dry slopes and ridge tops	mid high to tall, woodland to open forest	1230	34	*E. rossii, E. mannifera, E. dives, E. bridgesiana, E. sieberi* (local)	*E. melliodora, E. pauciflora, E. dalrympleana, E. rubida, E. macrorhyncha / E. cannonii,*	General <1000. *E. sieberi* localised occurrences)	1	1273
Coxs Valley (Lidsdale - Mount Walker)	Permian / Devonian	Dry slopes and ridge tops	mid high to tall, woodland to open forest	1231	34	*E. rossii, E. mannifera, E. dives*	*E. bridgesiana, E. melliodora*	*E. bridgesiana* may be locally codominant in less exposed sites. In mores exposed sites *E. rossii* typically dominates	7	1690
Coxs Valley Mount Walker	Devonian	Exposed upper slopes and ridge tops	Tall, open forest	1236	34	*E. sieberi*	*E. rossii, E. mannifera, E. sparsifolia*		1	21
1240	COX VALLEY DRY EUCALYPT FOREST associated with partly sheltered slopes and minor watercourses (*E. dives / E. bridgesiana*)									
Coxs valley (Cox Riv / Falnash)	Permian	Minor watercourses, Dry partly sheltered slopes and gullies	Very tall woodland to open forest	1240	36	*E. viminalis, E. bridgesiana, E. melliodora, E. dives, E. mannifera. E. dalrympleana*	*E. blakelyi*			238
Coxs Valley (Lidsdale - Mount Walker)	Permian / Devonian	Dry partly sheltered slopes and gullies	mid high to tall, woodland to open forest	1241	36	*E. dives, E. bridgesiana,*	*E. rossii, E. mannifera*		2	79
Coxs Valley (Lidsdale - Mount Walker)	Permian / Devonian	Dry partly sheltered slopes and gullies	mid high to tall, woodland to open forest	1242	36	*E. melliodora, E. mannifera E. bridgesiana*	*E. rossii, E. dives*		1	66
Coxs Valley	Permian	Dry partly sheltered slopes and gullies	Tall woodland / forest	1243	35	*E. dalrympleana, E. dives*	*E. mannifera, E. macrorhyncha / E. cannonii, E. rossii, E. pauciflora*		1	297
1250	COX VALLEY EUCALYPT WOODLANDS associated with high elevation ridges (*E. rubida / E. dalrympleana*)									
Coxs Valley	Permian	Valley floor remnants on gently undulating slopes and rises. Highly modified lands (cleared / semi-cleared for grazing),	Tall to very tall woodland to open forest	1250	12	*E. rubida, E. dalrympleana E. pauciflora, E. viminalis, E. dives, E. mannifera*	*E. rossii, E. bridgesiana*	Mostly > 900	5	557.8

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				1250	33					
Coxs Valley (Falnash)	Permian / Devonian	Dry slopes and ridge tops	Mid high to tall, woodland to open forest	1251	33	*E. dives, E. mannifera*	*E. rossii, E. rubida, E. melliodora, E. bridgesiana, E. pauciflora, E. dalrympleana*		2	538
1270 CAPERTEE GRASSY EUCALYPT WOODLANDS associated with low elevation slopes and rises (*E. albens / E. melliodora / E. moluccana*)										
Capertee Valley	Permian / Devonian	Valley floor remnants on gently undulating slopes rises and low gradient drainage lines. Typically lands highly modified (cleared / semi-cleared for grazing),	Tall to very tall woodland to open forest	1270	19	*E. melliodora, E. moluccana, E. albens, E. blakelyi, A.floribunda, E. crebra*	*B. populneus, Callitris*			1080
Capertee Valley	Permian / Devonian	Valley floor remnants on gently undulating slopes / rises and residual ridges. On highly modified lands some elements removed leaving box / ironbark woodland / open woodland. Ironbark and Callitris more abund on rises. East of Mount Airly.	Tall to very tall woodland to open forest	1271	19	*E. albens, E. melliodora, E. moluccana, E. crebra+ / -, Callitris+ / -*	*E. blakelyi, B.populneus, A.floribunda, E. dealbata+ / -*	Various combinations due to clearing / fragmentation. *E. albens* typically dominant or codominant, particularly in paddock / pasture improved areas (eg csr>4 and disturb=29). *E. crebra*, *Callitris* sometimes absent or v sparse in 'pasture improved lands'. Common on residual Permian rises / ridges in E part of valley. Grades into drier 1180 *E. dealbata* grp. *E. melliodora* locally dominant or codominant. Grades into 1180 grp and 1593.	3	4322

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Wolgan / Capertee valleys	Permian / Devonian	Valley floor remnants occupying low gradient slopes and drainage lines. Highly modified lands (cleared / semi-cleared for grazing),	Tall to very tall woodland to open forest	1275	19	*E. moluccana*	*E. blakelyi*		2	157
Wolgan / Capertee valleys	Permian / Devonian	Gullies and side slopes adjacent watercourses		1277	20	*A.floribunda*	*E. albens, E. moluccana, E. crebra, Callitris*			121
1274	CAPERTEE GRASSY EUCALYPT WOODLANDS associated with low gradient watercourses (*E. blakelyi / E. melliodora / A.floribunda*)									
Wolgan / Capertee valleys	Permian / Devonian	Valley floor remnants typically occupying deeper more moist soils on low gradient slopes and drainage lines. Also occurs on streamside slopes.	Tall to very tall woodland to open forest	1274	20	*E. melliodora, E. blakelyi, A.floribunda+ / -*	*E. albens, E. moluccana, E. viminalis, E. crebra, E. bridgesiana*	*E. melliodora* sometimes dominant in highly modified lands. *E. sideroxylon* occasionally present on adjacent foot slopes.	3	3691
1280	CAPERTEE GRASSY EUCALYPT WOODLANDS associated with limestone / marl (*E. moluccana / E. albens*)									
Capertee Valley	Limestone / marl	Foot slopes, intermittent linear limestone / marl outcrops	Mid high to tall woodland to open forest	1280	16	*E. moluccana, Xanthorrhoea*	*E. crebra, B. populneus, Callitris*	Grassy (Spinifex sometimes present)		52
Capertee Valley	Limestone / marl	Foot slopes, intermittent linear limestone / marl outcrops	Mid high to tall woodland to open forest	1281	16	*Xanthorrhoea*	*E. moluccana, B. populneus*	Grassy (Spinifex sometimes present)	2	57
Capertee Valley	Limestone / marl	Foot slopes, intermittent linear limestone / marl outcrops	Mid high to tall woodland to open forest	1282	18	*E. moluccana*	*Xanthorrhoea, E. crebra, B. populneus, Callitris*	Grassy (Spinifex sometimes present)	2	741
Capertee Valley	Limestone / marl	SE part of Capertee Valley		1283	18	*E. moluccana, E. crebra*	*Callitris,* Stringybark *(E. sparsifolia?), A.floribunda*	Not sure if marl. Intergrade with residual Permian ridges? Perhaps reclass as 1599?	1	415.7
1300	TALL RIPARIAN FOREST (*E. viminalis / Casuarina cunninghamiana*)									
Coxs / Wolgan / Capertee valleys	Permian? / Devonian	Coxs, Wolgan, Capertee Rivers and major tributaries	Very tall closed to open forest	1300	54	*E. viminalis, A.floribunda, C.cunninghamiana, E.*	*E. tereticornis, E. melliodora,* Stringybark *(E. eugenioides?)*		1	406

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						blakelyi, E. bridgesiana				
Coxs / Wolgan / Capertee valleys	Permian? / Devonian	Coxs, Wolgan, Capertee Rivers and major tributaries	Very tall closed to open forest	1301	54	*E. viminalis*+ / -, *A.floribunda, E. blakelyi, E. bridgesiana*	*C.cunninghamiana, E. melliodora*		1	296
				1301	54					
Coxs / Wolgan / Capertee valleys	Permian? / Devonian	Major tributaries	Very tall closed to open forest	1302	56	*E. viminalis*+ / -*A. floribunda, C. cunninghamiana*	*E. blakelyi*	Similar to 1274 but stream more developed and carries *E. viminalis*	5	588
				1302	54					
Wolgan River				1303	56	*E. viminalis, E. eugenioides*	*E. blakelyi, E. melliodora*			27
				1304	55	*E. viminalis, E. bridgesiana, E. dalrympleana, C. cunninghamiana*	*E. pauciflora, E. stellulata*	Cox Valley SW of Mount Walker	1	54
1320	MONTANE MALLEE COMPLEX associated with Triassic sandstone									
Newnes Plateau	Triassic SS	very exposed broad flat crests shallow soil, above 1100. Grades into tree mallee in places	Tall to very tall mallee woodland to open mallee woodland	1320	45	*E. stricta, E. multicaulis, E. apiculata, B.spinulosa*	*E. pauciflora. E. dalrympleana, A.nana*	Open sedgy undetorey, dry heath	2	98
Newnes Plateau	Triassic SS	very exposed broad flat crests shallow soil, above 1100. Grades into tree mallee in places	Tall to very tall mallee woodland to open mallee woodland	1321	45	*E. stricta, E. multicaulis,*	*E. mannifera*		1	45
1330	MONTANE HEATHLAND COMPLEX associated with Triassic sandstone									
Newnes Plateau	Triassic SS	Extensive heath. Exposed skeletal soils	Mid high to tall heathland to open heathland	1330	46	*B.ericifolia, A. nana, Hakea teretifolia, E. apiculata*	Mallees, *E. mannifera, E. sclerophylla*		1	495
				1330	44					
Newnes Plateau	Triassic SS	Skeletal soils on exposed aspects. Extensive A.nana heath typically dominates or codominant.	Mid high to tall heathland to open heathland	1331	44	*A. nana*	Mallees, *E. mannifera, E. sclerophylla*	Soils skeletal. Exposed rock not extensive,	1	92
				1331	47					

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Newnes Plateau	Triassic SS	Exposed rock terraces. Commonly associated with 1340 and 1350	Mid high to tall heathland to open heathland	1332	44	*A. nana, Hakea teretifolia, Banksia ericifolia*	*E. apiculata*	Exposed rock terraces	4	910.6
1340	MONTANE ROCK COMPLEX associated with Triassic sandstone									
Newnes Plateau	Triassic SS	Rock complex that includes various growth forms (not feasible to map as discrete units).	Rock complex	1340	44	*Callitris rhomboidea, Allocasuarina* spp., *Leptospermum* spp., *Hakea teretifolia*, etc	*E. sclerophylla*	Rock outcrops near pagodas	2	787
				1340	29					
1350	ROCKLAND									
		Rockland (>75% rock)		1350	43	Rock		Typically <10 veg cover.		105
Newnes Plateau	Triassic SS	Essentially sandstone pagoda rock formation		1351	43	Rock			4	1797
1360	NEWNES PLATEAU MONTANE GULLY SWAMP-HEATH COMPLEX associated with Triassic sandstone									
Newnes Plateau	Triassic SS	Drainage line habitat. Low gradient, impeded drainage	Tall to very tall shrubland	1360	50	*L. obovatum, B. spinulosa*		Swamps and Sedgelands	7	394
1370	NEWNES PLATEAU MONTANE HANGING SWAMP COMPLEX associated with Triassic sandstone									
Newnes Plateau	Triassic SS	Associated with seepage areas on shallow soils over rock, typically on moderate to steep gradients. Commonly occupying seepage over rock scarps and above cliff lines.	Mid high to tall shrubland	1370	51	*Lepidosperma limicola, L. juniperinum, Gleichenia* etc	*E. gregsoniana*			
Newnes Plateau				1371	51	*Lepidosperma limicola, L. juniperinum,*	*E. gregsoniana*		2	270
Newnes Plateau				1372	51	*Gleichenia* etc.				3
1390	MONTANE GRAMMINOID SWAMP									
x				1390	53	Gramminoid swamp	*Poa labillardieri, Carex* etc	*Poa lab, Carex* etc.	2	97
1400	MT WALKER SUBALPINE EUCALYPT WOODLAND associated with high elevation Devonian ridges (E. viminalis / E. pauciflora)									
Coxs Valley (Mount Walker)	Devonian	Upper slopes, ridge tops	Mid high to tall, open forest	1400	14	*E. viminalis, E. pauciflora*	*E. dalrympleana, A.falciformis, E. dives*			

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Coxs Valley (Mount Walker)	Devonian	Upper slopes, ridge tops	Low to Mid high, open forest	1401	14	*E. pauciflora*	*E. viminalis, E. sieberi, E. dives, E. dalrympleana*		1	4
				1402	14	*E. viminalis, E. pauciflora*			1	7
1410	COX VALLEY MONTANE / SUBALPINE EUCALYPT FOREST / WOODLAND associated with cold air drainage flats and watercourses (*E. pauciflora / E. dalrympleana / E. viminalis, E. aggregata*)									
Coxs Valley (Lidsdale - Falnash)	Permian / Devonian	Drainage lines and flats with cold air drainage and sinks	Tall to very tall, woodland to open forest	1410	11	*E. viminalis, E. dalrympleana E. bridgesiana, E. pauciflora, E. stellulata, E. aggregata*	*E. melliodora E. dives, E. macrorhyncha / E. cannonii, E. rubida*		4	235
Coxs Valley	Permian	Valley floor remnants occupying low gradient drainage lines and flats. Highly modified lands (cleared / semi-cleared for grazing),	Tall to very tall open forest	1411	15	*E. aggregata, E. dalrympleana*	*E. rubida, E. pauciflora, E. stellulata, E. dives, E. viminalis*	800-900	1	161
Coxs Valley	Permian	Valley floor remnants occupying low gradient drainage lines and flats. Highly modified lands (cleared / semi-cleared for grazing),	Tall to very tall open forest	1412	11	*E. dalrympleana*	*E. rubida, E. pauciflora, E. dives, E. aggregata*	800-900	2	371
Coxs Valley	Permian	Valley floor remnants occupying low gradient drainage lines and flats. Highly modified lands (cleared / semi-cleared for grazing),	Tall to very tall woodland to open forest	1413	15	*E. aggregata*	*E. rubida, E. dalrympleana, E. pauciflora, E. stellulata, E. viminalis*	800-900	1	24
Coxs Valley (Lidsdale - Falnash)	Permian / Devonian	Main watercourses with cold air drainage and sinks	Very tall, woodland to open forest	1414	11	*E. viminalis, E. dalrympleana E. bridgesiana, E. pauciflora*	*E. melliodora E. dives, E. stellulata, E. macrorhyncha / E. cannonii*	>800	6	739
				1414	35					

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Coxs valley		Watercourses with cold air drainage and sinks	Mid high to tall open forest	1416	15	*E. pauciflora, E. stellulata*	*E. bridgesiana*		1	10
1420	COXS VALLEY DRY OPEN EUCALYPT WOODLANDS associated with Permian escarpment slopes and ridges (*E. rossii / E. dives / E. cannonii*)									
Cox Valley	Permian	Dry escarpment slopes on Permian sediments . Eastern part of valley occurs below Triassic sandstone, Limited presence of residual Triassic sandstone at Western side of valley (E. g. Ben Bullen)	Mid high to tall open forest	1420	37	*E. macrorhyncha / E. cannonii, E. rossii, E. dives*	*E. mannifera, E. rubida, E. sparsifolia*		4	1378
Coxs Valley (Ben Bullen SF Sth)	Permian			1421	37	*E. rossii, E. dives, E. macrorhyncha / E. cannonii+ / -E. mannifera+ / -*	*E. sparsifolia*		15	1067
Coxs Valley (Ben Bullen SF Sth)	Permian	Dry exposed slopes and ridge tops. Little or no SS above	Low to tall, woodland to open forest	1423	37	*E. rossii*	*E. dives, E. macrorhyncha / E. cannonii, E. mannifera, E. rubida*	*E. dives* occ. codominant with *E. rossii*	2	199
Coxs Valley (Ben Bullen SF Sth)	Permian	Semi sheltered aspects		1424	33	*E. macrorhyncha / E. cannonii, E. dives, E. mannifera*	*E. rossii*		1	67
				1427	32	*E. sparsifolia*	*E. mannifera, E. rossii*	Lidsdale slopes and ridges		14
1430	MONTANE / SUBALPINE EUCALYPT FOREST / WOODLAND associated with high elevation ridge tops and semi-sheltered slopes (*E. pauciflora / E. dalrympleana / E. radiata*)									
Gurnang - Jenolan		Exposed to semi-sheltered ridge tops and slopes		1430	6	*E. pauciflora, E. dalrympleana, E. radiata*	*E. rubida, E. viminalis, E. dives, E. dalrympleana, E. fastigata*		2	860
				1430	14					
Gurnang - Jenolan		Exposed to semi-sheltered ridge tops and slopes		1431	14	*E. pauciflora,*	*E. rubida, E. viminalis, E. dives, E. dalrympleana*		2	195
Gurnang -		Exposed to semi-sheltered		1438	6	*E. dalrympleana, E.*	*E. pauciflora, E. dives,*		6	735

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Jenolan		ridge tops and slopes				*radiata*	*E. fastigata, E. cypellocarpa, E. viminalis*			
1440	MONTANE / SUBALPINE DRY GRASSY WOODLANDS associated with exposed high elevation ridges (*E. dives / E. rubida / E. viminalis*)									
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1440	14	*E. dives, E. rubida, E. pauciflora, E. dalrympleana, E. viminalis*	*E. radiata*		1	332
				1440	31					
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1443	31	*E. dives*	*E. pauciflora, E. dalrympleana, E. radiata, E. viminalis*		1	298
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1444	31	*E. dives, E. dalrympleana*	*E. radiata, E. viminalis*		4	174.8
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1445	14	*E. pauciflora, E. rubida*			2	132
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1446	14	*E. rubida*	*E. pauciflora*			32
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1447	31	*E. dives, E. rubida*	*E. viminalis*		2	259
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1448	31	*E. viminalis*	*E. rubida, E. dives*		1	282
1450	MONTANE DRY EUCALYPT FOREST / WOODLAND associated with exposed high elevation ridge tops (*E. sieberi / E. radiata*)									
Gurnang - Jenolan	Not sandstone. On granite?, Silurian metasediments?	Ridge tops, spurs and upper slopes		1450	25	*E. sieberi, E. radiata*	*E. dives, E. cypellocarpa, E. blaxlandii*		2	120
Gurnang - Jenolan	Not sandstone. On granite?, Silurian metasediments?	Ridge tops, spurs and upper slopes		1451	25	*E. sieberi*	*E. radiata, E. dives*		2	31
Gurnang - Jenolan	Not sandstone. On granite?, Silurian metasediments?	Ridge tops, spurs and upper slopes		1452	25	*E. radiata*	*E. sieberi, E. dives*		2	55
1460	TABLELANDS TALL EUCALYPT FORESTS associated with semi sheltered aspects and gullies (*E. dalrympleana / E. radiata*)									
Gurnang - Jenolan		Semi-sheltered to sheltered aspects and gullies		1460	6	*E. dalrympleana, E. viminalis*	*E. fastigata, E. radiata, E. dives, E. pauciflora*		2	804
Gurnang -		Semi-sheltered to sheltered		1462	6	*E. dalrympleana*	*E. pauciflora, E. dives,*		2	45

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Jenolan		aspects and gullies					*E. radiata*			
Gurnang - Jenolan		Semi-sheltered to sheltered aspects and gullies		1465	11	*E. viminalis*	*E. dives, E. dalrympleana*		3	293
1470	MONTANE TALL EUCALYPT FOREST - associated with sheltered aspects and gullies (*E. fastigata*)									
Gurnang - Jenolan		Sheltered aspects and gullies		1470	5	*E. fastigata, E. dalrympleana, E. viminalis, E. radiata*	*E. pauciflora*		4	878
Gurnang - Jenolan		Sheltered aspects and gullies		1471	5	*E. fastigata*	*E. dalrympleana*		2	190.8
Gurnang - Jenolan		Sheltered aspects and gullies		1472	5	*E. fastigata, E. dalrympleana*	*E. radiata, E. pauciflora*		12	1203
Gurnang - Jenolan		Sheltered aspects, gullies and creeks		1474	5	*E. fastigata, E. viminalis*	*E. pauciflora*		1	63
Gurnang - Jenolan		Exposed to semi-sheltered ridges		1475	5	*E. fastigata, E. dalrympleana, E. radiata*	*E. pauciflora*	Slightly drier var than 1472	4	319.2
1490	MONTANE / SUBALPINE EUCALYPT FORESTS / WOODLAND associated with gullies and major watercourses (*E. pauciflora / E. dalrympleana / E. viminalis*)									
Gurnang - Jenolan		Gullies and major watercourses		1490	11	*E. pauciflora, E. dalrympleana, E. viminalis*	*E. stellulata E. rubida*			100
Gurnang - Jenolan		Gullies		1491	11	*E. pauciflora, E. dalrympleana*	*E. stellulata, E. fastigata, E. viminalis*		2	116
Gurnang - Jenolan		Low gradient streams / rivers		1493	11	*E. viminalis, E. dalrympleana*	*E. stellulata, E. pauciflora, E. radiata*			228
1500	SUBALPINE EUCALYPT FOREST / WOODLAND associated with cold air drainage flats and watercourses (*E. stellulata*)									
Gurnang - Jenolan		Cold air drainage sinks and watercourses		1500	15	*E. stellulata, E. pauciflora*	*E. radiata, E. dalrympleana*			133
Gurnang - Jenolan		Cold air drainage sinks and watercourses		1501	15	*E. stellulata*	*E. pauciflora, E. radiata, E. dalrympleana*		2	54
1510	ACACIA COMPLEX associated with previous disturbance (various spp.)									
x				1510	58	Various spp.				197
Oberon				1511	58	*A. dealbata*				20
Jenolan				1512	58	*A. falciformis*				13

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Capertee		Dry ridge tops (Box-Ironbark-Pine)	Tree growth form regerated from past clearing	1513	58	*A. cheelii*			2	67
				1514	58	*A. ixiodes*		Typically low and dense, assoc with severe disturbance. Occurs as dense us as well as dominant community. Grades into marl as well as *E. dawsonii*		
1520	WOLGAN-CAPERTEE TALL FOREST associated with streamside flats and escarpment foot slopes (*E. punctata* / *A.floribunda*)									
Capertee and Wolgan Valleys	Permian	lower foot slopes adjacent riparian communities along Capertee and Wolgan Rivers	Tall to very tall open forest	1520	54	*E. punctata, A.floribunda, E. blakelyii*			4	109
1540	MT AIRLY EUCALYPT FOREST associated with Triassic sandstone (E. piperita / E. sparsifolia)									
Capertee Valley (Mount Airly)	Triassic SS	Sheltered to semi-sheltered sites commonly occurring between sandstone outcrops		1540	27	*E. piperita, E. sparsifolia, E. cannonii, E. mannifera*				118
Capertee Valley (Mount Airly)				1541	29	*E. piperita*			2	129
				1541	27					
Capertee Valley (Mount Airly)				1542	27	*E. piperita, E. sparsifolia, E. mannifera*		Dominant composition varies, one may be locally absent.	3	221
1550	TALL OPEN EUCALYPT FOREST AND WOODLAND associated with small residual Tertiary basalt capping (E. cannonii / E. viminalis)									
Capertee Valley	Tertiary basalt	Basalt cap	Tall to very tall, open forest	1550	10	*E. viminalis, E. cannonii, E. mannifera*	*E. polyanthemos, E. cypellocarpa*			87
Capertee Valley	Tertiary basalt	Basalt cap	Tall to very tall, open forest	1552	10	*E. viminalis*	*E. cannonii, E. polyanthemos, E. cypellocarpa*		3	28
Capertee Valley	Tertiary basalt	Basalt cap	Tall to very tall, open forest	1553	10	*E. cannonii, E. mannifera*			1	21

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Capertee Valley	Tertiary basalt	Basalt cap	Tall to very tall, open forest	1554	10	*E. polyanthemos*	*E. viminalis, E. cannonii*			4
1560	CAPERTEE EUCALYPT FOREST associated with residual sandstone capping (*E. punctata* / *E. sparsifolia*)									
Capertee Valley	Triassic SS	Upper slopes and broad ridge tops	Low to tall, woodland to open forest	1560	21	*E. punctata, E. sparsifolia*	*E. piperita, E. cannonii*		2	463
Capertee Valley	Triassic SS	Semi-sheltered to sheltered gullies	Low to tall, woodland to open forest	1561	21	*E. punctata*	*E. sparsifolia, E. piperita, E. cannonii*	Fine split, perhaps merge1561 and 1560	1	26
1590	CAPERTEE TRANSITIONAL DRY EUCALYPT FOREST / WOODLAND associated with lower Permian sediments grading to Devonian side slopes and ridges (*E. punctata* / *E. albens* intergrade)									
Capertee Valley	Permian grading to Devonian	Permian / Devonian side slopes and residual ridges.	Low to mid high woodland to open forest	1590	38	*E. punctata, E. sparsifolia / E. cannonii, E. crebra / fibrosa+ / -, Callitris, E. albens, E. rossii*	*E. moluccana, E. polyanthemos*	Generally larger crowns than 1160 grp. *E punctata* typically present.	2	1059
Capertee Valley	Permian grading to Devonian	Permian / Devonian side slopes and residual ridges.	Low to mid high woodland to open forest	1591	21	*E. punctata, E. sparsifolia, E. crebra / fibrosa+ / -*	*E. albens, Callitris, E. polyanthemos*	*E. punctata* usually dominant. Also common in sheltered gullies within fine crown ridge system.	2	1660
Capertee Valley	Permian grading to Devonian	Permian / Devonian ridges and side slopes. Alt > 500m at mid valley (e.g. 'Watervale')	Low to mid high woodland to open forest	1592	38	*Callitris, E. punctata, E. sparsifolia / E. cannonii, E. crebra / fibrosa+ / -*	*E. albens, E. moluccana*	*Callitris* co-dominant or locally dominant. Use 1180 grp for steeper drier sites likely to have *E. dealbata*		290
Capertee Valley	Permian grading to Devonian. Mostly Permian.		Low to mid high woodland to open forest	1593	17	*E. albens, E. punctata+ / - E. crebra / fibrosa+ / -*	*E. bakelyi, A.floribunda, E. sparsifolia / E. cannonii, Callitris, E. melliodora, E. dealbata* (local), *E. sideroxylon*	Transitional wbx type. Similar to 1168 but occurring on Permian geol only (1168 grades to Devonian metaseds) Occurring mid to lower Permian slopes, occ. Triassic sandstone above. Transitional with 1271 but *E. punctata* present. Also occurs SE Capertee Permian talus lower / mid slopes.	3	1489

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Capertee Valley	Permian grading to Devonian	Occasionally sandstone above. Occurring at the change in grade from Permian shale slopes to residual lower Permian valley ridges (conglomerate?). Slightly deeper soils. Grades to 1160 grp and 1271 grp in places.	Low to mid high woodland to open forest	1594	38	*E. punctata, E. cannonii, E. crebra / fibrosa+ / -, E. rossii*	*E. albens, E. blakelyii, E. polyanthemos, E. melliodora*	Transitional Permian shale slopes to Permian conglomerate (1160 grp) etc. Less steep than1595. Grades up to 1595 and down (along) to 1160. Perhaps merge.	3	684
Capertee and Wolgan Valleys	Permian grading to Devonian	Residual Permian slopes, sandstone above scant or absent (not massive). Typically situated above 1593 and 1594. On W side occurs generally above 650m	Low to mid high woodland to open forest	1595	32	*E. crebra / fibrosa+ / -, E. punctata+ / -, E. sparsifolia / E. cannonii, E. polyanthemos, E. melliodora, E. rossii*	*E. mannifera, E. dives, E. albens*	Various combinations. Stringybark and Scribbly Gum probably more common as a sub type. Stringybark always present. Occ. *E. mannifera* and *E. dives* > 800m. Occ. *E. albens* < 700m. Common on western rim residual Permian slopes e.g. Capertee area. Ironbark tends to occur in localised patches in more exposed spurs and aspects as an open forest woodland. Scribbly Gum - Stringybark commonly dominant on residual Permian plateau (sandstone?) sites e.g. south from Capertee. Grades into 1594 and 1160.	10	2106
				1595	21					

Locality	Geology	Topographic Position and Habitat	Structural Formation	API Code	Map Unit Allocation	CANOPY 1 Common Dominant / Codominants	CANOPY 2 Associates (Subsidiary and Minor)	Comments	Sites	Area
Capertee Valley	Permian grading to Devonian	Steep exposed side slopes associated with lower Permian (conglomerate?) valley ridges typically capped by 1160 grp. W side of valley. Similar to 1593 but just above wbx line. Probably still on Permian sediments.	Low to mid high woodland to open forest	1596	38	*E. fibrosa, E. rossii, E. punctata+ / -*	*E. albens, E. cannonii*			95
Wolgan Valley	Permian grading to Devonian			1598	21	*E. melliodora*	*E. polyanthemos*		1	61
Capertee Valley	Permian grading to Devonian	Steep lower Permian side slopes grading into Devonian metaseds. Usually below 1160 grp. Alt > 500m at W side of valley		1599	38	*E. crebra / fibrosa, E. moluccana, Callitris*	*E. albens, E. sparsifolia*			184.8
1600	JENOLAN / TUGLOW LIMESTONE ROCK SCRUB - EUCALYPT WOODLAND COMPLEX (*Bursaria / Dodonaea*)									
			Rock complex that includes various growth forms (not feasible to map discrete growth forms).	1600		*E. dalrympleana, E. bicostata, Bursaria Dodoneae*				
Gurnang - Jenolan	Jenolan limestone		Rock/shrub complex	1601	23	*Bursaria, Dodonaea*	*B. populneus*		3	29
				1601	48					
Gurnang - Jenolan	Jenolan limestone		Rock/woodland complex	1602	23	*E. dalrympleana, Bursaria, Dodonaea*	*B. populneus*			56
				1602	48					
Gurnang - Jenolan	Jenolan limestone		Rock/woodland complex	1603	23	*E. bicostata, Bursaria, Dodonaea*				2
				1603	48					
Gurnang - Jenolan	Limestone outcropping		Rock complex	1604	48	Unidentified rock, shrub, grass etc.				27
1610	JENOLAN MONTANE DRY EUCALYPT FOREST associated with exposed ridge tops and slopes (*E. blaxlandii*)									
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1610	24	*E. blaxlandii, E. radiata, E. cypellocarpa*	*E. sieberi, E. punctata, E. viminalis*			19

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Gurnang - Jenolan		Exposed dry ridge tops and slopes		1611	24	*E. blaxlandii*	*E. radiata, E. punctata*		1	33
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1612	24	*E. blaxlandii, E. radiata*	*E. sieberi, E. cypellocarpa*		3	252
Gurnang - Jenolan		Exposed dry ridge tops and slopes		1613	24	*E. blaxlandii, E. cypellocarpa*	*E. radiata, E. viminalis*		3	92
1620	JENOLAN GORGE DRY EUCALYPT FOREST (*E. punctata / E. eugeinoides*)									
Gurnang - Jenolan		Semi-sheltered to sheltered slopes		1620	22	*E. eugenioides, E. punctata, E. cypellocarpa*	*E. melliodora*		1	17.9
Gurnang - Jenolan		Semi-sheltered to sheltered slopes		1621	22	*E. eugenioides, E. punctata*	*E. melliodora*		2	93
Gurnang - Jenolan		Semi-sheltered to sheltered slopes		1622	22	*E. eugenioides, E. cypellocarpa*			1	133
Gurnang - Jenolan		Semi-sheltered to sheltered slopes		1623	22	*E. eugenioides, E. punctata, E. cypellocarpa*	*E. melliodora*		1	65
Gurnang - Jenolan		Exposed slopes		1624	22	*E. eugenioides, E. punctata, E. melliodora*		Exposed, more open variant of 1620		27
Gurnang - Jenolan				1625	22	*E. cypellocarpa*	*E. eugenioides, E. punctata*			3
1640	JENOLAN DRY EUCALYPT FOREST associated with proximity to Jenolan limestone (*E. bicostata*)									
Gurnang - Jenolan	Silurian metasediments and limestone, riparian	Sheltered slopes		1640	24	*E. bicostata, E. blaxlandii*		Proximity to limestone		22
Gurnang - Jenolan	Silurian limestone	Sheltered slopes		1641	24	*E. bicostata*			1	6
1650	JENOLAN RIPARIAN TALL EUCALYPT AND RIVER OAK FOREST									
Gurnang - Jenolan	Silurian metasediments and limestone, riparian	Riparian	Very tall open forest	1650	55	*E. bicostata* + / -, *E. dalrympleana, C. cunninghamiana*		Proximity to limestone (in alluvium?)		16
1660	JENOLAN TALL EUCALYPT FOREST associated with alluvial river flats (*E. fastigata*)									
Gurnang - Jenolan	Silurian metasediments and limestone, riparian	Riparian on river flats. Jenolan River upstream from caves.	Very tall open forest	1660	5	*E. fastigata, E. dalrympleana, E. viminalis*		Occurring on alluvium. Proximity to limestone	2	34

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1670 JENOLAN GORGE ROUGHBARKED APPLE FOREST (*A. floribunda*)										
Gurnang - Jenolan		Semi sheltered to sheltered slopes		1670	6	*A. floribunda, E. dalrympleana*	*E. eugenioides, E. fastigata*	Adjacent to major streams (Jenolan River)		13
1680 CAPERTEE DRY EUCALYPT WOODLAND associated with exposed escarpment talus slopes (*E. melliodora*)										
Capertee Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1680		*E. melliodora, E. moluccana, B. populneus, Ficus* spp.	*E. blakelyi, A. floribunda, E. punctata, E. albens*	Unusual type, east section Capertee Valley		
Capertee Valley	Permian	Dry escarpment slopes on Permian sediments below Triassic sandstone	Mid high to tall woodland to open forest	1682	17	*E. melliodora, E. moluccana*	*E. blakelyi, E. albens*	East section Capertee Valley	1	45
1690 CAPERTEE DRY EUCALYPT WOODLAND / FOREST associated with escarpment talus foot slopes (*E. dawsonii*)										
Capertee Valley	Permian	Mid to lower slopes on Permian sediments extending to valley floor	Tall to very tall woodland to open forest	1690	41	*E. dawsonii, E. albens, C.endlicheri, E. melliodora, E. crebra*	*E. punctata, E. sideroxylon, E. blakelyi, A. floribunda*	Transitional between steeper talus slope and valley lower gradient valley floor box grp. Composition within this group varies due to disturbance associated with accessibility.	1	617
Capertee Valley	Permian	Mid to lower slopes on Permian sediments extending to valley floor	Tall to very tall woodland to open forest	1691	41	*E. dawsonii, C. endlicheri, E. albens*	*E. punctata, E. moluccana, E. sideroxylon, E. melliodora, E. crebra*	Expect *E. dawsonii* was utilised in past and in many areas was previously more abundant.	2	201
1700 COX VALLEY TALL EUCALYPT FOREST associated with sheltered Permian slopes and gullies (*E. dalrympleana / E. fastigata*)										
Cox Valley	Permian	Sheltered escarpment slopes on Permian sediments.	Mid high to tall open forest	1700	8	*E. dalrympleana, E. blaxlandii, E. fastigata, E. macrorhyncha / E. cannonii, E. sparsifolia, E. eugenioides*	*E. viminalis*	Use 1703 for defined gullies and 1700 for side slopes	1	645
				1700	37					
Cox Valley (Ben Bullen SF Sth)				1701	8	*E. dalrympleana*	*E. blaxlandii, E. fastigata*			40

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Coxs Valley (Ben Bullen SF Sth)	Permian	Residual Triassic sandstone in proximity? Semi-sheltered sites		1702	37	*E. blaxlandii, E. macrorhyncha / E. cannonii, E. sparsifolia, E. eugenioides*	*E. rossii, E. dives, E. bridgesiana*		1	217
				1703	8	*E. fastigata, E. dalrympleana, E. cypellocarpa*	*E. blaxlandii*			639
2030	EXOTICS									
x				2030		Exotics				
				2031	60	Exotic trees (non pine, various species., Willow etc)				53
				2032	60	Exotic trees (Sycamore)				10
x				2033	59	Exotic trees (Eucalypt / Pine mix, Pine > 30%)		Exotic species indicated by disturb feature (e.g. 34 for pine)		280
x				2034	59	Exotic trees (Pine plantation / woodlot / shelterbelt)		Includes infrastructures assoc with replanting / harvested areas etc		8611
				2035	60	Exotic shrub / scrub (Blackberry etc)		Blackberry etc.		11
2060	RIPARIAN COMPLEX									
Coxs / Wolgan / Capertee valleys	Permian? / Devonian	Coxs, Wolgan, Capertee Rivers and major tributaries	Various growth forms intermixed with rock, water and gravel beds	2060	55					48.5
Capertee valley	Permian? / Devonian	Capertee Rivers and major tributaries	Riparian scrub	2061	57		*M.linariifolia* etc.			31
2080	ROCK COMPLEX - generic / unidentified									
			Rock complex that includes various growth forms (not feasible to map discrete growth forms).	2080	49					12
3000	INFRASTRUCTURE - various									
x				3000	62	Various				20
x				3010	62	Transmission Line				84

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						Easement				
x				3020	62	Road and Rail Infrastructures / Verges		Includes fire-breaks		137
x				3040	62	Mining / Quarry (and Associated Infrastructures)				220
x				3050	62	Open Water (Dams etc.)				51.1
4000	CLEARED / SEVERELY DISTURBED LANDS									
x				4000	62	Cleared lands (tree cover >5 CSR)		Includes very sparsely scattered / isolated paddock trees i.E. CSR >5	9	49099
				4001	62	Pioneering shrubs / saplings present				94
				4002	62	Planted native species. Erosion mitigation etc.				16
	Triassic SS	Sandstone cliff, rock fall		4003	62	Rock				5
5000	NOT CLASSIFIED									
x				5000	61	Not classified. Refer to comments field			7	112
				5001	61	Not classified. Veg remnants < 1 ha				660