

MU 54 CAPERTEE – WOLGAN RIPARIAN ROUGH-BARKED APPLE – RIVER OAK OPEN FOREST

□ CORRESPONDING CLASSIFICATIONS

Regional: No matching type in Tindall *et al.* (2004)

State: Eastern Riverine Forests

Number of Sites: 8

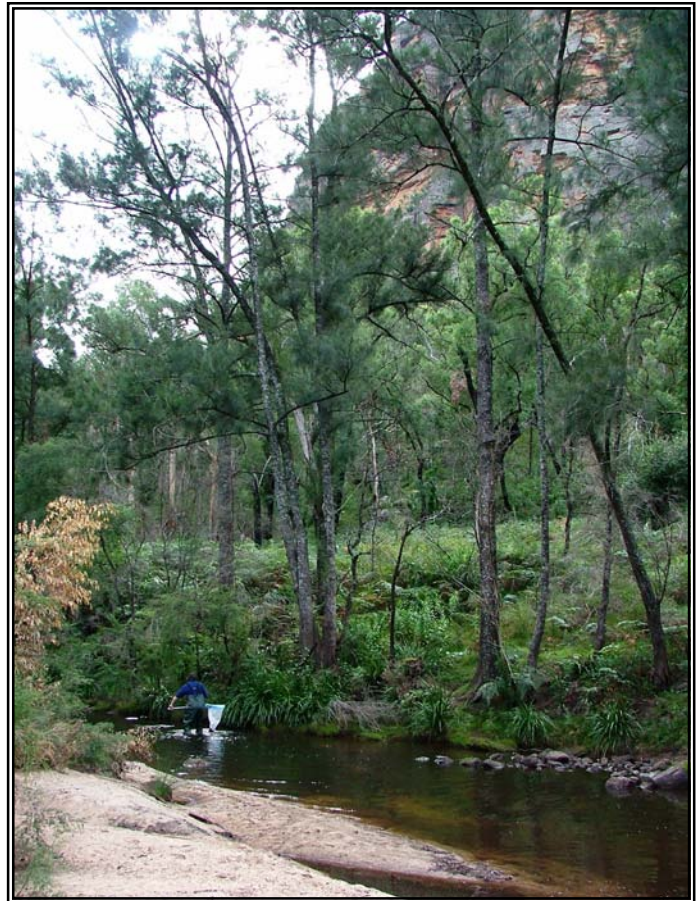
Average number of identified native species per plot: 49.1

□ DESCRIPTION

Riverflat forests remain in parts of the dry Wolgan and Capertee Valleys. These tall forests are distinguished by a ribbon of river oak (*Casuarina cunninghamia*) that grow on the banks of the river, with an assortment of Eucalypts that prefer the adjoining flats, terraces and rises. These may include rough-barked apple (*Angophora floribunda*), grey gum (*E. punctata*), ribbon gum (*E. viminalis*) and red gum (*E. blakelyi*). Grassy and herbaceous species and those tolerant of short-term flooding usually dominate the understorey. *Microlaena stipoides* *Lomandra longifolia* and *Dichondra repens* are the most consistent of the ground covers. Shrub layers are generally sparse.

Proximity to water and palatable growth have resulted in grazing and clearing disturbance within much of these forests, with many stands of regrowth and pioneering shrub species observed. The rainfall experienced by the community is of the order of 600 to 750 millimetres per annum, but flow in the stream and shallow groundwater in the alluvium largely support the community.

The drier environments of these valleys present a community that does not easily equate with the Riverbank Forests of Tindall *et al.* (2004). It is however a member of the Eastern Riverine Forests class of Keith (2004). Examples of his community are protected in the Capertee and Wolgan Rivers in Wollemi National Park.



□ STRUCTURAL SUMMARY

Stratum	Count	AvLowHt	AvHt	maxHt	AvCover	SDcover	minCover	maxCover
T	7	14.3	28.57	30	34.3	19.67	5	70
M1	6	4.1	8.00	25	23.3	14.02	10	45
M2	3	1.6	4.83	10	40.0	21.79	25	65
L1	7	0.5	1.01	1.5	50.8	35.70	1	80
L2	1		0.20	0.2	10.0		10	10

□ FLORISTIC SUMMARY

Trees

Angophora floribunda, *Brachychiton populneus*, *Casuarina cunninghamiana*, *Eucalyptus blakelyi*, *Eucalyptus punctata*

Low Trees and Shrubs

Acacia filicifolia, *Austrostipa verticillata*, *Bursaria spinosa*, *Persoonia linearis*, *Pteridium esculentum*, *Solanum prinophyllum*

Ground Covers

Desmodium varians, *Dianella revoluta*, *Dichondra repens*, *Echinopogon ovatus*, *Einadia trigonos*, *Entolasia stricta*, *Gahnia aspera*, *Hydrocotyle laxiflora*, *Lomandra longifolia*, *Microlaena stipoides*, *Notodanthonia longifolia*, *Pimelea latifolia* ssp. *elliptifolia*, *Sigesbeckia* spp., *Veronica* spp.

Vines & Climbers

Billardiera scandens, *Clematis aristata*, *Geitonoplesium cymosum*, *Passiflora cinnabarina*, *Stephania japonica*, *Tylophora barbata*

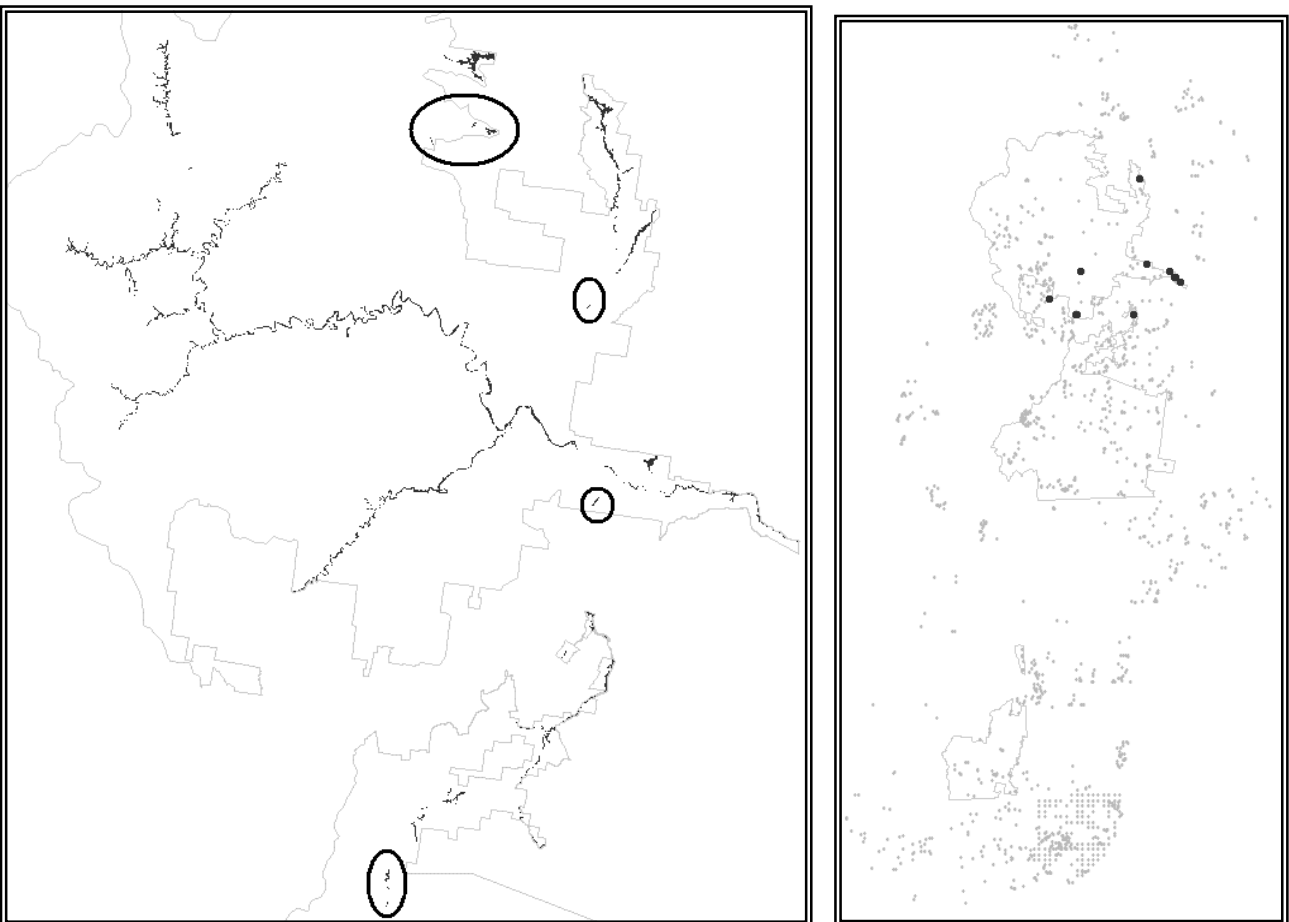
□ KEY IDENTIFYING FEATURES

Easily recognisable features to assist in identifying this map unit are:

- Presence of *Casuarina cunninghamiana* and *Angophora floribunda* along stream incisions and adjacent flats.

□ EXAMPLE LOCATIONS

Capertee river downstream of Glen Davis; Coco Creek at Glen Davis Road; Wolgan River at Old Coach Road crossing.



□ CONDITION ASSESSMENT

Disturbance Class	Area (ha)	Proportion Extant (%)
A Low	26.48	2.32
B Medium	552.87	48.40
C High	563.03	49.29
Total	1142.38	100

□ THREATENED PLANT SPECIES

Possible: *Pomaderris brunnea*

□ **DIAGNOSTIC SPECIES**

Species Name	Group Score	Group Freq (%)	Non Group Score	Non Group Freq (%)	Fidelity Class
<i>Acacia filicifolia</i>	2	54.55	2	3.53	positive
<i>Adiantum aethiopicum</i>	2	54.55	2	8.10	positive
<i>Angophora floribunda</i>	4	81.82	2	6.18	positive
<i>Arthropodium milleflorum</i>	2	45.45	2	4.57	positive
<i>Austrostipa verticillata</i>	2	45.45	2	0.72	positive
<i>Bertya pomaderroides</i>	2	9.09	0	0.00	positive
<i>Billardiera scandens</i>	2	36.36	1	21.83	positive
<i>Breynia oblongifolia</i>	2	36.36	2	3.61	positive
<i>Bursaria spinosa</i>	2	45.45	2	18.14	positive
<i>Calomeria amaranthoides</i>	1	9.09	0	0.00	positive
<i>Casuarina cunninghamiana</i> subsp. <i>cunninghamiana</i>	4	36.36	3	0.96	positive
<i>Cheilanthes distans</i>	2	45.45	2	3.85	positive
<i>Cheilanthes sieberi</i>	2	72.72	2	20.22	positive
<i>Clematis glycinoides</i>	2	90.91	2	30.18	positive
<i>Correa reflexa</i>	2	36.36	1	2.40	positive
<i>Cymbopogon refractus</i>	3	36.36	2	5.05	positive
<i>Dichondra repens</i>	2	100.00	2	23.68	positive
<i>Echinopogon ovatus</i>	2	45.45	2	14.61	positive
<i>Einadia trigonos</i>	2	36.36	2	1.20	positive
<i>Entolasia stricta</i>	2	72.72	2	17.58	positive
<i>Eucalyptus blakelyi</i>	3	45.45	3	2.56	positive
<i>Eucalyptus punctata</i>	3	45.45	3	21.19	positive
<i>Gahnia aspera</i>	2	81.82	2	4.09	positive
<i>Geitonoplesium cymosum</i>	2	36.36	2	13.24	positive
<i>Goodenia ovata</i>	2	45.45	2	3.93	positive
<i>Hydrocotyle laxiflora</i>	2	63.64	2	23.92	positive
<i>Indigofera australis</i>	2	36.36	2	15.33	positive
<i>Leptospermum polyanthum</i>	3	36.36	2	1.28	positive
<i>Melia azedarach</i>	1	9.09	0	0.00	positive
<i>Microlaena stipoides</i> var. <i>stipoides</i>	3	72.72	2	26.40	positive
<i>Muehlenbeckia adpressa</i>	1	27.27	0	0.00	positive
<i>Notodanthonia longifolia</i>	2	54.55	2	6.82	positive
<i>Omalanthus populifolius</i>	2	9.09	0	0.00	positive
<i>Oxalis perennans</i>	2	45.45	1	10.27	positive
<i>Passiflora cinnabarina</i>	2	36.36	2	0.72	positive
<i>Pimelea latifolia</i> subsp. <i>elliptifolia</i>	2	81.82	1	2.00	positive
<i>Podocarpus spinulosus</i>	2	9.09	0	0.00	positive
<i>Pteridium esculentum</i>	2	36.36	2	32.17	positive
<i>Senecio minimus</i>	2	36.36	1	3.05	positive
<i>Sigesbeckia australiensis</i>	2	36.36	1	1.36	positive
<i>Sigesbeckia orientalis</i> subsp. <i>orientalis</i>	2	36.36	2	6.66	positive
<i>Solanum prinophyllum</i>	2	100.00	1	9.63	positive
<i>Stephania japonica</i> var. <i>discolor</i>	2	45.45	2	2.32	positive
<i>Urtica incisa</i>	2	36.36	2	7.78	positive
<i>Veronica calycina</i>	2	36.36	2	11.00	positive
<i>Veronica plebeia</i>	2	45.45	2	15.89	positive
<i>Vittadinia cuneata</i>	2	36.36	2	5.69	positive
<i>Lomandra longifolia</i>	3	81.82	2	39.17	constant
<i>Lomandra filiformis</i>	2	18.18	2	36.36	negative
<i>Poa sieberiana</i>	3	18.18	2	40.13	negative