

Wet Eucalyptus Forest and Woodland

WRE *Eucalyptus regnans* forest: rainforest facies

Community Description:

Eucalyptus regnans forest over rainforest has a tall to very tall canopy over a mature rainforest understorey. The rainforest is callidendrous, with *Nothofagus cunninghamii* and/or *Atherosperma moschatum* predominating over an open understorey of tree ferns and ground ferns with a relatively high diversity and abundance of epiphytic ferns. The community is found in fertile areas with a reliable summer rainfall (>50 mm). At its penultimate stage *E. regnans* may only form a 5% emergent canopy over mature rainforest. This is one of two benchmarks available to assess the condition of WRE.

Benchmarks:

| Component | Cover % | Height (m) | DBH (cm) | #/ha | Length (m)/0.1 ha |
|----------------|----------|------------|----------|------|-------------------|
| Canopy | 25% | - | - | - | - |
| Large Trees | - | 60 | 120 | 18 | - |
| Organic Litter | 90% | - | - | - | - |
| Logs | - | - | ≥ 10 | - | 40 |
| Large Logs | - | - | ≥ 60 | - | - |
| Recruitment | Episodic | | | | |

| Understorey Life Forms | LF code | # Spp | Cover % |
|--------------------------------------|----------|-----------|---------|
| Tree or large shrub | T | 7 | 90 |
| Shrub | S | 2 | 15 |
| Herbs and orchids | H | 1 | 1 |
| Medium to small sedge/rush/sagg/lily | MSR | 1 | 1 |
| Ground fern | GF | 6 | 20 |
| Tree fern | TF | 1 | 5 |
| Scrambler/Climber/Epiphytes | SCE | 1 | 1 |
| Mosses and Lichens | ML | 1 | 30 |
| Total | 8 | 20 | |

Species lists:

| Canopy Tree Species | Common Name | Notes |
|---------------------------|-------------|-------|
| <i>Eucalyptus regnans</i> | giant ash | |

| Typical Understorey Species * | Common Name | LF Code |
|------------------------------------|---------------------|---------|
| <i>Acacia melanoxylon</i> | blackwood | T |
| <i>Anopterus glandulosus</i> | Tasmanian laurel | T |
| <i>Atherosperma moschatum</i> | sassafras | T |
| <i>Eucryphia lucida</i> | leatherwood | T |
| <i>Nematolepis squamea</i> | satinwood | T |
| <i>Nothofagus cunninghamii</i> | myrtle beech | T |
| <i>Olearia argophylla</i> | musk daisybush | T |
| <i>Phyllocladus aspleniifolius</i> | celerytop pine | T |
| <i>Pittosporum bicolor</i> | cheesewood | T |
| <i>Pomaderris apetala</i> | dogwood | T |
| <i>Coprosma quadrifida</i> | native currant | S |
| <i>Pimelea drupacea</i> | cherry riceflower | S |
| <i>Tasmania lanceolata</i> | mountain pepper | S |
| <i>Hydrocotyle hirta</i> | hairy pennywort | H |
| <i>Urtica incisa</i> | Stinging nettle | H |
| <i>Dianella tasmanica</i> | forest flaxlily | MSR |
| <i>Asplenium bulbiferum</i> | mother spleenwort | GF |
| <i>Blechnum nudum</i> | fishbone waterfern | GF |
| <i>Blechnum wattsii</i> | hard waterfern | GF |
| <i>Grammitis</i> spp. | fingerfern | GF |
| <i>Histiopteris incisa</i> | batswing fern | GF |
| <i>Hymenophyllum</i> spp. | filmyfern | GF |
| <i>Hypolepis</i> spp. | groundfern | GF |
| <i>Microsorium pustulatum</i> | kangaroo fern | GF |
| <i>Rumohra adiantiformis</i> | leathery shieldfern | GF |
| <i>Dicksonia antarctica</i> | soft treefern | TF |
| <i>Clematis</i> spp. | clematis | SCE |

*This list is provided as a guide only. The species listed are typical of this plant community type but may not necessarily be present.