

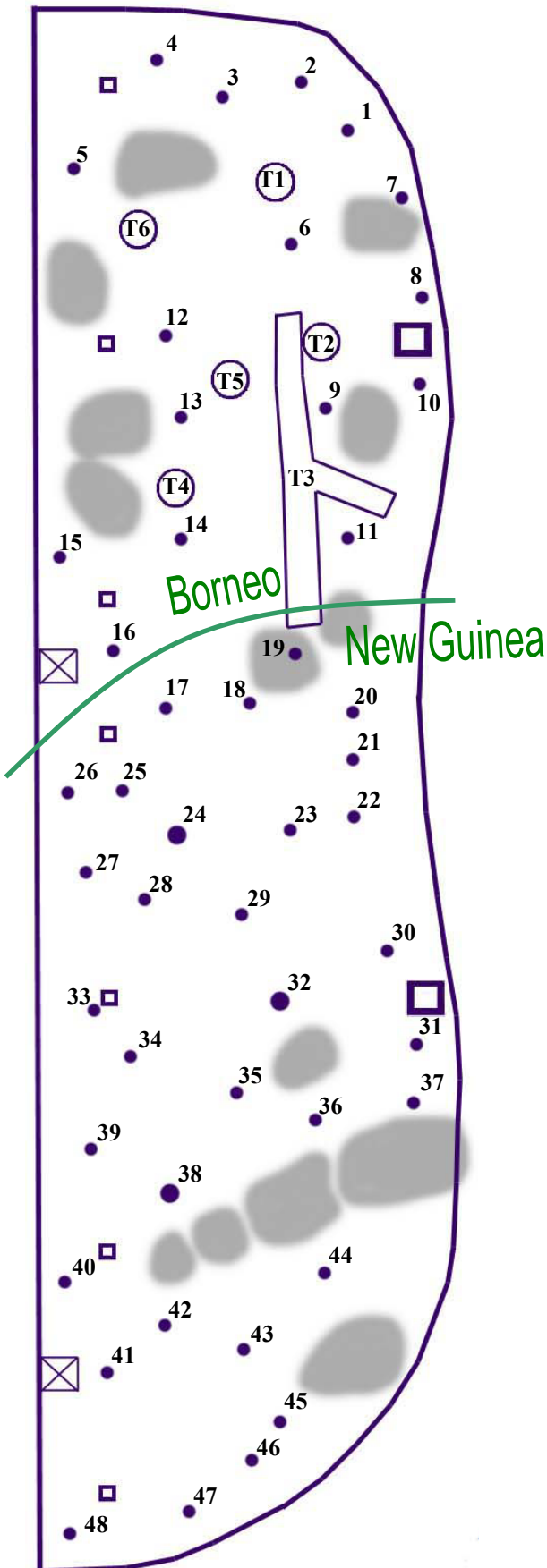
# NATIONAL BOTANIC GARDENS, GLASNEVIN

## CURVILINEAR RANGE (Upper Montane Forest) [CL(W)E]

Last updated: July 2002

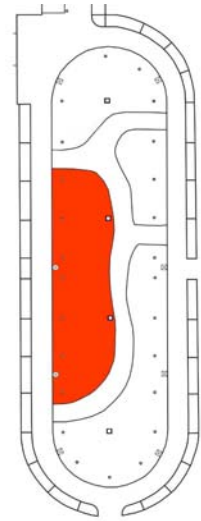


Dúchas The Heritage Service



### UPPER MONTANE FOREST

Above 1,500 metres, the large tropical trees of the rainforest diminish and the forest structure changes dramatically. Families such as *Ericaceae*, *Myrtaceae*, *Fagaceae* and *Lauraceae* become more dominant. In addition, gymnosperms such as *Phyllocladus* and *Dacrycarpus* appear. There are fewer woody climbers and palms, and the canopy height is lower.



Mosses and ferns increase in abundance, and the forest is sometimes referred to as 'Mossy Forest'. The higher humidity levels allow many shrubs, including rhododendrons to become epiphytic. In the display, artificial trees are made by wrapping the bark of the cork oak on steel frames. This provides an ideal habitat for epiphytic mosses, ferns, orchids and small rhododendron species.

The majority of *Rhododendron* species displayed here are from Borneo and New Guinea, with a few from the Philippines (#20,21), Sumatra (#3,31), Taiwan (#2) and the Mollucas (#37).

*Dacrycarpus imbricatus* (#24, 32, 38) is a gymnosperm that grows to 40 metres. It is an important timber tree in New Guinea.



## UPPER MONTANE FOREST

- 1 *Rhododendron* × *planecostatum* (ERICACEAE) 1996.0187
- 2 *Rhododendron kawakmii* (ERICACEAE) 1996.0161A
- 3 *Rhododendron aequabile* (ERICACEAE) 1996.0122
- 4 *Rhododendron luraluense* (ERICACEAE) 1996.0174
- 5 *Rhododendron micromalayanum* (ERICACEAE) 1996.0181A
- 6 *Rhododendron durionifolium* (ERICACEAE) 1996.0146
- 7 *Adiantum hispidulum* (ADIANTACEAE) 1996.0104
- 8 *Rhododendron cuneifolium* var. *microcarpum* (ERICACEAE) 1996.0245
- 9 *Rhododendron rugosum* var. *rugosum* (ERICACEAE) 1996.0202
- 10 *Rhododendron salicifolium* (ERICACEAE) 1996.0206
- 11 *Rhododendron rugosum* var. *rugosum* (ERICACEAE) 1996.0203
- 12 *Rhododendron retivenium* (ERICACEAE) 1996.0197
- 13 *Rhododendron verticillatum* (ERICACEAE) 1996.0225
- 14 *Rhododendron* × *nervulosum* (ERICACEAE) 1996.0183
- 15 *Lobelia borneensis* (CAMPANULACEAE) 1996.1191
- 16 *Rhododendron himantodes* (ERICACEAE) 1996.0154
- 17 *Rhododendron maius* (ERICACEAE) 1996.0178
- 18 *Rhododendron scabridibracteum* (ERICACEAE) 1996.0209
- 19 *Rhododendron macgregoriae* (ERICACEAE) 1996.0177A
- 20 *Rhododendron acrophilum* (ERICACEAE) 1996.0121
- 21 *Rhododendron taxifolium* (ERICACEAE) 1996.0222A
- 22 *Rhododendron sarcodes* (ERICACEAE) 1996.0208
- 23 *Rhododendron armitii* (ERICACEAE) 1996.0126
- 24 *Dacrycarpus imbricatus* (PODOCARPACEAE) 1996.0112A
- 25 *Rhododendron vitis-idaea* (ERICACEAE) 1996.0227
- 26 *Diplazium dilatatum* (WOODSIACEAE) 1996.0117
- 27 *Rhododendron beyerinckianum* hybr. (ERICACEAE) 1996.0129A
- 28 *Rhododendron laetum* (ERICACEAE) 1996.0166
- 29 *Rhododendron culminicolum* (ERICACEAE) 1996.0244
- 30 *Vaccinium laurifolium* (ERICACEAE) 1996.0239
- 31 *Rhododendron retusum* (ERICACEAE) 1996.0198A
- 32 *Dacrycarpus imbricatus* (PODOCARPACEAE) 1996.0112B
- 33 *Tecomanthe volubilis* subsp. *volubilis* (BIGNONIACEAE) 1997.1080B
- 34 *Rhododendron konori* (ERICACEAE) 1996.0162
- 35 *Dimorphanthera keysseri* (ERICACEAE) 1996.0115
- 36 *Rhododendron multinervium* (ERICACEAE) 1996.0182
- 37 *Rhododendron ruttanii* (ERICACEAE) 1996.0205
- 38 *Dacrycarpus imbricatus* (PODOCARPACEAE) 1996.0111
- 39 *Rhododendron carrii* (ERICACEAE) 1996.0138A
- 40 *Rhododendron beyerinckianum* hybr. (ERICACEAE) 1996.013
- 41 *Rhododendron carrii* (ERICACEAE) 1996.0138B
- 42 *Rhododendron tuba* (ERICACEAE) 1996.0223
- 43 *Rhododendron zoelleri* (ERICACEAE) 1996.0231
- 44 *Vaccinium acrobacteatum* (ERICACEAE) 1996.0232
- 45 *Rhododendron rubellum* (ERICACEAE) 1996.0201
- 46 *Rhododendron wrightianum* (ERICACEAE) 1996.0228
- 47 *Rhododendron gracilentum* (ERICACEAE) 1997.0938A
- 48 Fern

## ARTIFICIAL TREES

These are constructed from steel frameworks covered by cork oak bark.

- T1 *Rhododendron micromalayanum* (ERICACEAE) 1996.0181B  
*Rhododendron renschianum* (ERICACEAE) 1996.0196
- T2 *Dendrobium kingiangum* (ORCHIDACEAE) 1995.0388  
*Rhododendron fallacinum* (ERICACEAE) 1996.0148
- T3 *Bulbophyllum macrobulbon* (ORCHIDACEAE) 1928.013484B  
*Coelogyne ovalis* (ORCHIDACEAE) XX.012555C  
*Dendrobium hellwigianum* (ORCHIDACEAE) 1997.0478B  
*Rhododendron polyanthemum* (ERICACEAE) 1996.0188  
*Rhododendron taxifolium* (ERICACEAE) 1996.0222B
- T4 *Rhododendron beyerinckianum* hybr. (ERICACEAE) 1996.0129B  
*Rhododendron gracilentum* (ERICACEAE) 1997.0938B  
*Rhododendron macgregoriae* (ERICACEAE) 1996.0177B  
*Rhododendron taxifolium* (ERICACEAE) 1996.0222C
- T5 *Rhododendron beyerinckianum* hybr. (ERICACEAE) 1996.0129C  
*Rhododendron borneense* subsp. *villosum* (ERICACEAE) 1996.0131  
*Rhododendron taxifolium* (ERICACEAE) 1996.0222D
- T6 *Dendrobium dichaeoides* (ORCHIDACEAE) 1997.0477B  
*Dendrobium subclausum* subsp. *subclausum* (ORCHIDACEAE) 1997.0483B  
*Dendrobium wentianum* (ORCHIDACEAE) 1997.0485B  
*Nephrolepis cordifolia* (OLEANDRACEAE) 1980.1665B  
*Rhododendron kawakmii* (ERICACEAE) 1996.0161B  
*Rhododendron stenophyllum* subsp. *angustifolium* (ERICACEAE) 1996.0215