## **Tasforests**

Vol. 13 No. 1 December 2001

Contents	nage
Foreword E.R. Rolley	page iii
An overview of the Warra Long-Term Ecological Research Site M.J. Brown, H.J. Elliott and J.E. Hickey	1
Forest exploration, assessment and mapping in the Weld Valley, Tasmania 1925 A. Wilson and E.M. Christensen	9
Geology and soils of the Warra LTER Site: a preliminary description <i>M.D. Laffan</i>	23
Hydrology of small catchments in the Warra LTER Site: objectives and preliminary analysis C. Ringrose, S. Meyer, L.J. Bren and W.A. Neilsen	31
Map and description of the Warra vegetation S. Corbett and J. Balmer	45
The potential for dendroclimatology in the Warra LTER Site, Tasmania K.J. Allen	77
Altitudinal distribution of birds at the Warra LTER Site, southern Tasmania: a preliminary study M. MacDonald	87
Stream biological research at Warra P. Davies, L. Cook, M. Risdon and R. Walker	101
Research on invertebrate assemblages at the Warra LTER Site R. Bashford, R. Taylor, M. Driessen, N. Doran and A. Richardson	109
Not just waste wood: decaying logs as key habitats in Tasmania's wet sclerophyll <i>Eucalyptus obliqua</i> production forests: the ecology of large and small logs compared <i>M. Yee, ZQ. Yuan and C. Mohammed</i>	119
Agent-based dynamic modelling of forest ecosystems at the Warra LTER Site W. Su, M.J. Brown and B. Mackey	129
Remote sensing at the Warra LTER Site  N.C. Coops	141

## **Tasforests**

Vol. 13 No. 2 December 2001 Contents page Rationale and design for the Warra silvicultural systems trial in wet Eucalyptus obliqua forests in Tasmania J.E. Hickey, M.G. Neyland and O.D. Bassett 155 Vegetation of the Warra silvicultural systems trial M.G. Neyland 183 Bryophytes and lichens at the Warra LTER Site. I. An inventory of species in Eucalyptus obliqua wet sclerophyll forest S.J. Jarman and G. Kantvilas 193 Bryophytes and lichens at the Warra LTER Site. II. Understorey habitats in Eucalyptus obliqua wet sclerophyll forest S.J. Jarman and G. Kantvilas 217 Age and stand structure in a multi-aged wet eucalypt forest at the Warra silvicultural systems trial P.J. Alcorn, J.K. Dingle and J.E. Hickey 245 Fuel characteristics and low intensity burning in Eucalyptus obliqua wet forest at the Warra LTER Site J.B. Marsden-Smedley and A. Slijepcevic 261 Loss of carbon during controlled regeneration burns in Eucalyptus obliqua forest A. Slijepcevic 281 Assessing the long-term impacts of forest harvesting and high intensity broadcast burning on soil properties at the Warra LTER Site P. Pennington, M. Laffan, R. Lewis and P. Otahal 291 Social research priorities for forest management K. Williams, J. Cary and T. Webb 303