

Community-based surveys, 2006-2008

Kim Whitford

Department of Environment and Conservation

CV

Kim Whitford is a research scientist with the Department of Environment and Conservation. His research covers aspects of sustainable forest management in the jarrah (*Eucalyptus marginata*) and karri (*Eucalyptus marginata*) forests. Kim's recent and current research focuses on fauna hollows in logs and standing trees, the impact of forest management practices on coarse woody debris volumes and decay, seed production and the seed cycle in jarrah, and soil disturbance caused by timber harvesting machinery. Kim also contributes to a project monitoring crown decline in *Eucalyptus wandoo*.

ABSTRACT

The WRG coordinates a project to assess the health of wandoo trees at sites across the south-west. This project assists in clarifying the geographic extent and severity of decline throughout wandoo's natural range and provides information on the annual progression of decline symptoms. The WRG provides training and support, and community volunteers, TAFE students and DEC staff conduct transect surveys. This presentation provides a brief description of the symptoms of wandoo crown decline, explains the survey technique and reports results from surveys conducted in 2006, 2007 and 2008 at twenty-two monitoring sites located between Chittering and Cranbrook. The changes observed on these sites and the value of these surveys are discussed.

October 2008
Yorke, WA

5 Year review - wandoo crown decline

PROGRAM

- 8:30 am Registration
Attendees provided with information pack
Publications on wandoo and other tree declines
- 8:50 am Video / slide show – wandoo decline across the landscape and
presentation about sponsors
- 9:00 am Welcome and introduction**
Alan Sands, Department of Environment and Conservation (DEC)
- Chair: Alan Sands (DEC)**
- 9:05 am Opening Address – Alan Sands, DEC
- 9:15 am Setting the scene - Liz Manning / Bruce McGregor, Wandoo
Recovery Group
- 9:30 am Survey and mapping
Community based surveys, 2006-2008 (Kim Whitford, DEC)
Observations from Wundabiniring Brook (Allan Wills, DEC)
Surveys of wandoo decline, 2002 & 2008 (Jack Mercer, consultant)
- 10:20 am Panel discussion
- 10:30 am Morning tea**
- Chair: Peter White (DEC)**
- 10:50 am Research projects
*Historical review of wandoo (Dr Andrea Gaynor, University of
Western Australia)*
*Water relations and genetic variability of wandoo (Dr Erik
Veneklaas UWA)*
Insects and fungal pathogens (Ryan Hooper, PhD student UWA)
- 12.00 noon Panel discussion