

BENTLEY TECHNOLOGY PARK THEATRE, BENTLEY TECHNOLOGY PARK
WEDNESDAY 18TH APRIL 2007

8.30 **Registration - Tea & coffee**

9.00 - 9.05 **Geoff Cockerton, RIAWA President**
Opening Address

9.05 - 9.35 **Dr. Kingsley Dixon, Botanic Gardens and Parks Authority**
Advances in Restoration Ecology

9.35 - 10.05 **Doug Blandford, Principal, D. C. Blandford & Associates Pty Ltd**
Getting the Revegetation Framework Right

This presentation looks at the pre-existing soil-landform-vegetation system, or the artificial landscape. It addresses the need to understand the system and to understand the components of the system, what is important in soil profile reconstruction, and what can be realistically achieved with a revegetation program.

10.05 - 10.35 **Dr Elizabeth Sinclair - Research Associate, Murdoch University/BGPA**
A Practical Genetic Contribution to Ecological Restoration examples from the Swan Coastal Plain

The practical contribution of genetic data to plant restoration is a fairly recent one, but plays an important role in an integrated approach to the long term success of projects. Data can be generated rapidly and provide useful information on population structure and dynamics, contributing to decisions about appropriate seed sources for bushland restoration that conserve natural patterns of genetic variation within species

10.35 - 11.05

MORNING TEA

11.05 - 11.35 **Denise Crosbie - Wetlands Officer, Cockburn Wetlands Centre**
Restoring Vegetation in Degraded Wetlands

Over the past decade the Cockburn Wetlands Education Centre's staff and volunteers have been involved in the development and adaptation of practical approaches to the restoration of vegetation in degraded wetlands and their surrounds. This approach includes baseline studies, seed collection, propagation, seed production areas, weed control, revegetation plans, community involvement/education, and monitoring and evaluation. This talk will focus on current practices with a particular emphasis on the effects of zonation within wetlands and how this effects the timing, frequency, duration and type of technique.

11.35 - 12.05 **Chris Ferreira - Landcare Solutions, Chair, Men of the Trees WA Inc**
A History of Land Degradation and Landcare in WA

12.05 - 12.35 **Bronwen Keighery**
Plant Patterning Across the Swan Coastal Plain

With a flora of over 2000 native plants the Swan Coastal Plain Bioregion is a very diverse area. This presentation will address the patterns of this diversity in relation to plant communities, plant species and variation within 'species'. The environmental parameters associated with this patterning will be described.

12.35 - 12.55 **Open forum with morning speakers**

12.55 - 1.55 **LUNCH**

Session 2 Mine closure session-draft completion criteria, case studies

1.55 - 2.25 **Suellen Davy - Environmental Officer, Dept of Industry & Resources**
DoIR Mine Closure Plan Guidelines

An outline of the expected contents of the Closure Plan Guidelines including the type of closure criteria that will be required in all closure plans submitted to the Department for approval

2.25 - 2.55 **Dr John Koch-Senior Research Scientist, Alcoa World Alumina**
Topsoil Management for Revegetation

Contents will be covering the timing of soil movement, storage aspects, depths, germination effects, concentrating seed, dealing with weeds.

2.55 - 3.25 **Malcolm Wealleans, Superintendent-Environment Newcrest Mining Limited-Telfer Gold Mine** *Landforming – the Telfer journey*

The presentation will be centered on Telfer's deviation from the mining industry's conventional berm-and-bench waste dump rehabilitation design to one that more suits and matches the regional physiography, known as the Mesa. To our knowledge, Telfer will be one of the first mines in Australia, and perhaps the world, to construct waste dumps to resemble a Mesa. To achieve this, significant time and energy will be devoted to research and development involving the University of Western Australia, Kings Park and Botanic Gardens and several key consultancies. Although first approval to deviate from berm and bench design was granted to Telfer by the DoIR in 2004, coordinating the R&D programs, including federal and state funding, has taken time but are now in place and in the process of implementation. Today's talk will outline the journey taken by Telfer to landform a waste dump that will resemble a Mesa...



RIAWA

Revegetation Industry Association of WA

REVEGETATION PLANNING: A SUSTAINABLE SOLUTION

3.25 - 3.45

AFTERNOON TEA

3.45 - 4.15

Dr David Jasper, Principal Scientist, Outback Ecology.

Monitoring with purpose – linking it to completion

Sign-off for rehabilitated mines requires agreed standards for physical, chemical and biological parameters. Monitoring data helps in setting the standards and is then required to demonstrate the standards have been achieved. Early definition of the required end-points is important in focusing the monitoring effort

4.15 - 4.45

Chantal Latham - Environmental Advisor - Rehabilitation and Vegetation Monitoring, Pilbara Iron Pty Ltd

Rehabilitation management across Pilbara Iron

Planning for the rehabilitation of Pilbara Iron's mine sites begins long before the first earth is disturbed. Wherever it is possible rehabilitation is completed progressively and efforts to continually improve rehabilitation outcomes continue until closure. Pilbara Iron's rehabilitation management practices are presented to provide an insight into how the Company integrates closure concepts for its mines, ports and rail facilities, into the certified Iron Environmental Management System

4.45 - 5.15

Open forum with afternoon speakers

Close